

SEQUENCE LISTING

<110> Yuqui, Jiang
 Dillon, Davin C.
 Mitcham, Jennifer L.
 Xu, Jiangchun
 Harlocker, Susan L.

<120> COMPOSITIONS FOR THE TREATMENT AND
 DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE

<130> 210121.470C5

<140> US

<141> 2000-04-17

<160> 479

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<211> 281

<212> DNA

<213> Homo sapien

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taacactctc catagaggtc tggtagtgct taaccacac g	281

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<212> DNA

<213> Homo sapien

<400> 2

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ttattatctt cgaagtttaac tgttcctctg gtcgtgatac acattcgatt aacaaacata	180
ctgttgatct tttccagtt ttgtttggt atgccaccac agtcacccc agggctctata	240
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<210> 3

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<212> DNA

<213> Homo sapien

<400> 3

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tttaaaaaat aattgggagc aactgtattt gaataaaaatg atttcttagt atgattgtac	180
agtaatgaat gaaagtgga catgtttctt ttgaaaagg agagaattga ccattttattg	240
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<210> 4

<211> 293

<212> DNA

<213> Homo sapien

<400> 4

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tattgttat gatgactgtg ggggtgaaact gactattgtt ttccaagcca aggatgtgga	180
aggatctact tctctcaca taagagataa ggcgaagataa ttctgtctcat tggagagagg	240
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<210> 5

<211> 275

<212> DNA

<213> Homo sapien

<400> 5

cgaggcttgg aatcagactt ctgtgtccag taaaaaactc ctgcactgaa gtcattgtga	60
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gtgtctgctt accttgcctc cttttaattg ataagctcca agtagttgct aattttttga	180
caacttcaca cgagttccat tcaattcttt tacttaattg tttaagtata gtaaccaataa	240
ttccattaac ctgttctcaa gtgggttagc tacca	300

<210> 6

<211> 301

<212> DNA

<213> Homo sapien

<400> 6

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acggatctg ctctgtttgc cagcatccca gacactgaag atgaataag tccagacaaa	180
gtaataactt gtttgtaaa agatgtgata gagataaagt tatctaacaa attggttata	240
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<210> 7

<211> 301

<212> DNA

<213> Homo sapien

<400> 7

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caacttaaaag caggatacct gaggtttcat gtcttttagtt gccttatcat aatcccaaat      180
atacatttca ggggtttgttt ttgtttttaa agacacttct ctggaatatg tgcaactatgg      240
ttaaaattaa aaacaaaagt aataaaataa aatgacgctt ggaaggactg acctcccccac      300
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<210> 8
<211> 301
<212> DNA
<213> Homo sapien

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<400> 8
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tgggccaggg atgaatatct gagggataaa aattgtgtaa gagccaaaga attggtagta      180
gggggagaa agagaggagg tgggctatgg gaaatgattt gaataatgga gctgggaata      240
tggtggata tctggtacta aaaaagggtc ttttgaagac tacttctaa tctctcccc      300
a                                                                                   301

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<210> 9
<211> 301
<212> DNA
<213> Homo sapien

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<400> 9
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tggtcctctt caccaccagg cctttctcac ttatccacct cacatactgc ccagcattc      180
ctttggcatt gcgagctgtg acttgacaca ttttaatgac aagattgaag tagctacct      240
gcaggataga tttcttgggg tataggggac aaaccaacag tgccatcagg tgtcttaaca      300
c                                                                                   301

```

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<210> 10
<211> 301
<212> DNA
<213> Homo sapien

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<400> 10
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aagaaaaatt ctgcaaaagt agcaactaaa ccgctgatct gaaccactcg ctcatgggtg      180
gtaagcactg agtcacaggag cattttgctg ccttgggtct gcaactgcaa cacttctatg      240
gttttggttg gaattgcata actttctctg actttaatgg agagagattg cagaggttgt      300
g                                                                                   301

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<210> 11
<211> 301
<212> DNA
<213> Homo sapien

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<400> 11

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aggtctgtga ctttcaccca ggacccagga ccagccctc cgtgggcaact gccggcgccct    60
tgtctgcaca ctggagggtc tccattacag aggcctagcg cacatcgctg gccccacaaa    120
cgttcagggg tacagccatg gcagctcctt cctctggcgt gagaaaaagt cttggagtag    180
ggtttgccac acacgtgact ggacagtgtc caattcaaat ctttcagggc agagtccgag    240
cagggtctgg tgacagctg tctctctctg ctctccaaag gccctgctcc ctgtctctc    300
c

```

<210> 12

<211> 301

<212> DNA

<213> Homo sapien

<400> 12

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gaggtctggg attacagcca cgtgccacca caactagcta atttttgagc atggggctca    60
aaggaactga tctctggggc atgtcagatt tgggatttgg ggtgcacac tgatactctc    120
taagtggctg aggaactcca tccactgaa attcctttgg catttggggc ttgtttttc    180
ttttttctc tctcactct cctcctttt taaaagtcaa ccagagcctt cgtgactcc    240
accgaagaag tgcaccctg ggagccacc cagtgcacgg cgcctgtcca gggacacaca    300
c

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<210> 13

<211> 256

<212> DNA

<213> Homo sapien

<400> 13

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ttttttggca taaaaaacac aatgatttaa tttctaaagc acctatatta ttatggcatg    60
gttttggaaa caggcttatta tattccacat aggtaatcat gcagtgcctc tcatggaaaa    120
aatgcttagg ccttggcctt ttctctggaa accatatttt tcttttttta ataattcaact    180
aaaatgtata tgttaaaaaa cctcactctt tgattttcaa tacaacaaat gttttcttta    240
aaagaacaaq attcaa

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<210> 14

<211> 301

<212> DNA

<213> Homo sapien

<400> 14

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ggtccttgat agagggaagag gaatatccaa ggcaaaagca ccaccacgtc caacctctc    60
atcctctacc ttctctgtcc ccagagggtat gagatagacc ccttggcctg gttcctgcac    120
tgtgttaggt ccacagtgga cactccacc ttaatggaga ataggcccca tggagtggag    180
gtccctcttc caggcctgc aacccaatga ctatgggggt gacacaagtg acctctgcc    240
tgtgatggtt caccaccatc acacgcaact gtccagacaa gccccctcaa cgggtgtgtg    300
c

```

<210> 15

<211> 259

<212> DNA

<213> Homo sapien

<400> 15

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gttttgaaag tttttattgt ttaataatto ttttccccct cagcccccatc cggccactct      60
ctttttctgc ttttttgatc atcctaaagg ctgaatacat cctcctctctg tctggaggac      120
acgaagcaat actaaaatca atacactcga ccaggctcttc atcagatacc acgtcactgt      180
gggttagagtg ctaatttttc acaaatgtgg tgttccttagg gccccacaag gtagtccttt      240
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<210> 16

<211> 301

<212> DNA

<213> Homo sapien

<400> 16

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cgaggctggtt caratttttc aataaataat actccccgta agtaataaact gcaaccaatc      60
agtgttaatc agtgcctatgc ctctttgtaa tgggttagtta ttaattatct ccagagcttt      120
ctggaaaatc tgccttaact ggctatgttt aggatctttg ttatctctga agacaaagaa      180
agaactagga ctcttaattt tggggtgctt ctgactctt agttgggaaa ctgaaaatat      240
ttccaaactt ttaaccactg caatggcata ttctgggaat caccaccacc accaccacta      300
c

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<210> 17

<211> 301

<212> DNA

<213> Homo sapien

<400> 17

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gcccggggcag gtctgggggc tagggctggtt ctttgaaaag ctgaggggga agctaaggaa      60
gcccaggcagg ccagggggccc ttctggcctt cccaagctc cacttgagtt ctctcaatg      120
ccagctctcc tggctatgatt ggggacatta ccagagaaa atctaatagc gcacatctgg      180
gcaccacac ccctgcttcag ttgcctccat cctccacccc caaattcaac tcttgaccca      240
atacaaaaag cttttttaac caggattctt tcttgaggga aagctgaact ggaaacacgg      300
g

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<210> 18

<211> 301

<212> DNA

<213> Homo sapien

<400> 18

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attacaggga cgtgccacca caactageta atttttgagc atgggggtca aaggaaactgc      60
ctctgggggc atgtccagatt tcggatttgg ggtctgcacac tgatactctc taagtggctg      120
aggaaactca tcccactgaa attccttttg cacttggggg tttgttttc ttttttctc      180
ctctcactcc cctctttttt taaaagtcaa cgagagctct cgtgactcc accgaagaag      240
tgaccactt ggggaccacc agtgccagge gccctgcacg ggacacacac agtcttcaact      300
g

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<210> 19

<211> 301

<212> DNA

<213> Homo sapien

<400> 19

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agaatctctg cactgtcacc aggtacaaca aaagatcaaa cccctgtccc gatgttaaact    60
ttttaactta aaagaatgac agaaaaacaa gatcaacact ttccagctac gagccgtcca    120
caaaggccac ccaaaaggcca gttagactcg tgcagatctt attttttaat agtagtaacc    180
acaatataca gctcttttaa gctgttcata tcttccccc attaaacacc tgcctcgggc    240
ggccaagggc gaattctgca gatatccacc acaactgggg ccgtctgaga atgcatctag    300
a                                          361

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<210> 10

<211> 290

<212> DNA

<213> Homo sapien

<400> 20

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aatctgtcaa aaaacagcca ataaacaaat actgaattac attctgctgg gttttttaa    120
ggctctaaat tttaaaaaaa tcttctgtct cccacccctga ccacccctgt acttttccat    180
ataccacagg ccccccataa acacaaagcc agggggcgaa gctgacatgg tctatttgga    240
gccagttaaa agggaggggcga taagtctga taagcaetta tggacaatat    300

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<210> 21

<211> 301

<212> DNA

<213> Homo sapien

<400> 21

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agaaagggtaa ctgcccagcca ggcctgcatt gtttagccag aaattgctgc ttggttctag    60
actttttaa aaaaaaaaat acccagggtt tgcctcatt ttccagaggca gagtgcacaa    120
tatcaaccaa actctctgtg tttttttttt acccccttat tttattttta tttattaatt    180
tttctgcca atattcaaatg tccctgggtt tccacagaag cttttttgac tagccttaaa    240
ttcttgagtc aaaagattaa ttagatttcc aggcagtgtt taatccagggt ctttgcctgt    300
t                                          361

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<210> 22

<211> 301

<212> DNA

<213> Homo sapien

<400> 22

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gagcccatgc attctccggc aaaccagcgc cgcctgtcca tcccccaaga ccggaaaggc    60
agcagcagcc cccggggagcc cagggctgtc ctgggtgcac ctgggtgcag agggaaattg    120
atgaccttac atagcaacta ggggcctatg agtctctcac tgacaagtcc caggaccttt    180
gaagttgtag cttaggtccg gagctgcagc caagcgagtt tcttctctat cttctcttag    240
cagggctttt tttcttccgc tgcatttgc ccttcccaaa cgcaattcaa agcagtttgt    300
a                                          361

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<210> 23

<211> 391

<212> DNA

<213> Homo sapien

<400> 23

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attatttggc	tgtcacagaa	gagagctgct	tatgattttg	aaggggtccag	ggaggggtggg	120
agttggtaaa	gagtagggta	ttttataaac	agatattatt	cagtottatt	tcctaagatt	180
ttgttgtaaa	tttaagggtac	ttgtacagc	agacagaatt	ggtaatagca	acttttaaaa	240
ttgtcattag	ttctgcaata	ttagctgaaa	tgtagtacag	aaaagaatgt	acatttagac	300
atttgggtt	agttggttgt	agctgtgaaa	tttaaaacag	cttaatttgg	tacaggttac	360
acatatggat	ctcttgggtg	g				391

<210> 24

<211> 214

<212> DNA

<213> Homo sapien

<400> 24

aatgatgtaa	aaattaatca	acagggctgc	caattggcga	tcctctccaa	ggatgctgtg	60
caaagggctc	catgggtcct	gatgaataat	cttgctgact	tacatattcc	tgggtgcatg	120
tcacaaata	ctgaggtata	gcctgcatgc	caactaaaaat	aacaaagggt	tcaggggtgg	180
aaacattgtc	caacacactg	tcctgacct	cttt			214

<210> 25

<211> 302

<212> DNA

<213> Homo sapien

<400> 25

gggggcaatg	agaaactcct	ctggaattct	tgggggggtgt	tggggagaga	ctgtgggct	60
ggagataaaa	cttgtctcct	ctaccaccac	cctgtacct	agcctgcacc	tgtctctcct	120
ttctgaaagt	ctagcttctc	tcctcagggt	ctgttgacct	ctgtcttgga	tgtctgggg	180
agctcatggg	tggaggagtc	tcacccagag	ggaggtccag	gggactgggt	gggcccagga	240
tgaatatctg	auggataaaa	attgtgtaag	aagccaaaga	aattggtagt	aggggggaga	300
ac						302

<210> 26

<211> 301

<212> DNA

<213> Homo sapien

<400> 26

ttggagaaag	cgctgacata	ctgtctgggc	acagtcagtg	aagctgctgt	attctcatta	60
tgttgtgtca	gagctgcagc	caggatttga	atagcttcag	cttttagcct	ggcctctggc	120
agaactgaa	tggcctctcc	tgtctgtga	tttatctgtg	cagccttttc	tgtctggag	180
gccaggatcc	ggcctgttt	cttctctct	gcacattga	tggcggactc	tgggtctccc	240
tcagacttca	gactgtggc	cgtttctgc	cgtctgct	ccacctgcac	ctgcatagac	300
t						301

<210> 27

<211> 301

<212> DNA

<213> Homo sapien

<400> 27

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aaatcagtcg taacatctgt gaaaagagtg ctagtataa caaatgagat cacaatttg      60
accattttat tagacacctt ctattagtgt taacagacaa agatgaagggt taagttgaaa     120
tcaaattgaa atcatcttcc ctctgtacag attgcaatat ctgataatac cctcaacttt     180
cttggtgcaa attcaattgc tggtaactac agtccagtgt taacaggcaa taatgggtgtg     240
attccagagg agaggactag gtggcaggaa aataaatgag attagcagta tttgacttgg     300
a                                     301

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<210> 28

<211> 286

<212> DNA

<213> Homo sapien

<400> 28

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tttttttttg caggaggatgc atttattcta ttcattctcc cccaccttcc ccatatttac      60
atccttagag gaagagaggg gtaaggtgat aaagtaactg aaggacggca agaagggtat     120
gtccttgggt caccaaatgg tcaaaagggc aaagatcgga ggaggtcagg gggtaacgca     180
ggaacagggt agggcggttc gcctctctcc cctctccctt ttcaacctc ttaatcactg     240
gctaactggc gaactcatgg gtaattctgt aagttacac gogttg                    286

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<210> 28

<211> 301

<212> DNA

<213> Homo sapien

<400> 28

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gtcatgctct tggctctctt tttttacaca tttagagttg gcctctctgt cttaaagaga      60
tttctctttg tttaaaggat ttattcttac catttcacaa atccgaaaat aattgaggaa     120
acaggttaca ttattccaat ttgctcttgg gttagaagag tctctcatgg tggcacagtc     180
ctccagggtc gctatgttgt tgggtctccc tacatccag aggtccagag actttgtcaa     240
aggtgtgagg tctacccatt gcaactgacc ctgacacacc tggctcgaca gtccataaaa     300
a                                     301

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<210> 30

<211> 332

<212> DNA

<213> Homo sapien

<400> 30

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cacttagtcc tctctctctg aatcacacca ttattgcttg ttaacacttg actgtgagta     120
ccaggcaatt aattgcacc aagaaagttg agggatttat cagatatttg aatctgtaca     180
gagggaaagt gatttcaatt tgatttcaac ttaaccttca tctttgtctg ttaacactaa     240
tagagggtgt ctataaaaat ggtcaaatct gtgatctcat ttgtataac tagcactctt     300
ttcacagtgt tgatgactga ttccagcag ac                                     332

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<210> 31

<211> 141

<212> DNA

<213> Homo sapien

<400> 31
 aaaggctatc aagtaactttg aaggacagga aggaatgaac acacccaggt ggacgtttgg 60
 ttccatttg: aggggttcag ggagggttgc aggggttcag ggagggctct tgcaccacaa 120
 ccgggggaag ggagagggga c 141

<210> 32
 <211> 201
 <212> DNA
 <213> Homo sapien

<400> 32
 gagctgactc cagagacat acagaatgat gctactatgt agacccacac tcccttggga 60
 aatttgt cat ctacottaaa gagagaaaaa agatggaaa taggcacac tagtttcac 120
 caccacacta cataacacac atagatgtga ggtccactgc actgatagcc agaactgctg 180
 ggttaaaact ttccagggag g 201

<210> 33
 <211> 181
 <212> DNA
 <213> Homo sapien

<400> 33
 ttccaaaaaa ctatattgtt gcaaaaaaca catagaaaaa taaagtctgg tgggggtgct 60
 gactaaaaat cagtcacag acttttatgt gacagattgg agcaggggtt gttatgcatg 120
 tagagaaccc aactaattt attaaacagg atagaaacag gtgtctggg tgaatgggt 180
 c 191

<210> 34
 <211> 151
 <212> DNA
 <213> Homo sapien

<400> 34
 atgtcttgca cagtatagtc tggacctctg ggctgaacc aggttgagca tcaaggcccc 60
 cattctctct caccaggggg tcgcttgcca gctccaagaa ccagctctggc cccactgaga 120
 actttctgtt cgggggcttg atgaatcttg g 151

<210> 35
 <211> 241
 <212> DNA
 <213> Homo sapien

<400> 35
 tctttaggg: aaatcatgt tctgtgtac ctagcaatgt gttcccatc tattaagaaa 60
 agcttcaacc cgtgtaatct gcagtcctta acagtggggt aattgtacgt acctgttgtg 120
 ttccagtttg tttccacct ataatgaatt gtaaaaaaa acatacttgt ggggtctgat 180
 agcaaacata gaaatgatgt atattgtttt ttgttatcta tttattttca tcaatcagct 240
 attttgatgt atggcaaaaa tagataataa tttatataac aggttttctg t 291

<210> 36
 <211> 201

<212> DNA

<213> Homo sapien

<400> 36

ctgatataat	tataataaag	gttccctgaa	ccttttagag	tgaattaag	aacaaaaact	50
aaattttgtt	tatatgaata	tggaataaat	acaataatca	aaatatgact	ctccctaaaa	100
gtgaaacaca	cacggccaatc	cggaactgct	gtgcgaaaga	taaaatcgag	aaaggcaagg	150
tttcggtagt	aggacgggat	g				200

<210> 37

<211> 131

<212> DNA

<213> Homo sapien

<400> 37

catacacaatg	ggggccgctc	gagcatgcat	ctagaggggc	caattcgccc	tataatgagt	50
ogtattacaa	tttaactggc	gtcgttttac	aaagtctga	ctgggaaaaa	cctggcggtta	100
c						151

<210> 38

<211> 200

<212> DNA

<213> Homo sapien

<400> 38

aaacatgta	tactctatat	ccccaaagtc	tagagcatga	cctgcacgtt	ggagatgttg	50
tacagcaatg	tatttatcca	gacatacata	tatgatattt	agagacacag	tgattctttt	100
gataacacca	caatagaaac	attataatta	cacacaaaat	tatggtaaaa	gaattaatat	150
gcctctctgt	gctgctgtta					200

<210> 39

<211> 760

<212> DNA

<213> Homo sapien

<400> 39

ggctggctgt	ggcccgaggt	cctgggctag	acctaattgt	ttattattgg	tggagagaaa	50
gatctggtaa	tacttgaggt	tattacatac	tagattagct	cctaattgtg	accattcttt	100
ttttaacatg	gatacaatta	ttatttcgaa	gttaattcgt	cctttgggtg	ctgcatacac	150
atcgcattaa	caaacatact	gttgtatttt	ttcccagttt	tgcttgggta	tgcacacaca	200
gtcaccccac	gggtctatag	atactatgtt	tcaactgtat	tatttgcac	ttttggcatt	250
agaatgctt	gggaaggctt	aaagatgagc	cctgatgagg	gtcaagagga	actggaagaa	300
gtccaagctc	aaataaagaa	gaaagatgaa	gaagttaagt	atgggaactgt	tgatctggac	350
caaaaaggtc	cttaactagg	aataaaactt	ctacagaggt	ttctcagttg	ccccatctgt	400
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tgtattctta	aaattttact	gtttctcccg	tggtgtctag	gatagtaagt	gagcagagca	600
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<210> 40

<211> 452
 <212> DNA
 <213> Homo sapien

<400> 40
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 ggtttatugt gactttttct ttttgtttac ttttcgttag gaaggggagt tgtaggggca 180
 gattcaggtc ttgggaatagg aaaattacgt ctaaacccatg gaaatcttgg aaatggaatt 240
 ggtggaagtg ggaggaaatgg atatgggtaa gggaacacaa aaaaacctga agctaattca 300
 tgggtgtcac tgatacttct tttttctcgt tcttggctct gagagactgg gaaaccaaca 360
 ggcactgaca agatgggtgt gatcaggagg agaactttct tcatctcaaa cgtttcagtc 420
 agttctttct ctcaactcgg ccgggaacac gc 452

<210> 41
 <211> 676
 <212> DNA
 <213> Homo sapien

<400> 41
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 aagatacata ggaatgatag caggtttctt tttaaagctt agtatttaata ttaaatattt 120
 ttctccatct aattttttaca ttacttgcac agaaaaaaaa aaaaattaaaa cccaagttac 180
 ttgaagcttg gacacacttc catgatttag cgggttaggt aaaaagtggg ggctttatto 240
 ttctctgctt ataagccagat ccaggccctca gaaagatggg accagggtat ataattgttt 300
 ttgaaaagtg tgttacaaaa atgggatggc tgttataagc caggatacaa agttaaggat 360
 gggggtaugg gaggggacatt ttcttccaga agaaaagaca gaatttctga agagtccag 420
 tccataaatt tccccaaatg gttggaggag agggtaaaat cccaacatga gtttcaaagt 480
 actgtctctg tgaagggctg gtagatgctt tggcaggagg gcatggctaa ttgggacat 540
 gcccattccc cagctaggag aatggaaatg gaaactttaa ttgcccagtg ggtgtgaaag 600
 tgggttgaag ctctggctggg actgaattct ctaagaggtt tctcttagaa acagacaact 660
 cagacttgcc cggggg 676

<210> 42
 <211> 468
 <212> DNA
 <213> Homo sapien

<400> 42
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 ctccagctctg gtgggcagag aggttaggat ggggtctgtg ggatagttag gcctcgcaat 180
 gtaagacttg ggtttagtac aaatttgtg attaatggaa atgtttacag atccccagc 240
 ctggcgaagg aattctttca actccctgcc cccagctctt ccttatcaaa ggacaccatt 300
 ttggcgaagt ctctgaccaa ggagccaaac atcttacaag acacagttag catactaatt 360
 aaaaacctct ggaagccca gtttgaaac ttacttagg aacgtaatcg tgtcccttat 420
 cctaacttcc ctctctaatt ccacagacct gcctgggggg ccgtctga 468

<210> 43
 <211> 408
 <212> DNA

<213> Homo sapien

<400> 43

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acctcttccc actaattggc tatgctctctg gacagttttt tttttttttt ttttttttaa	180
accttttttg aatttccact ttctatggct acctcaaga attgtttgtga ggtttgagat	240
aatgcatctg taaagggtct gcagatagg aagatgctag ttatggattt accaggttgt	300
taaggcttga agagtctaaa acctacagtg aatcacaatg catttaaccc cactgacttg	360
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<210> 44

<211> 160

<212> DNA

<213> Homo sapien

<400> 44

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ctctctgtgg tacaatgatt gcactctctc acccaacct ccaaccagga ctttcaacta	120
caactctccc ggtttggcaa acacgtctac tctgtctgga	160

<210> 45

<211> 231

<212> DNA

<213> Homo sapien

<400> 45

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tcactcttgg ggggatgatg actgctctgg agcgttaggc tctgatagat ttgggagaaa	180
accgagtcac ccttcaggaa tccggaggtc ggtgacattg tgggtgcaca c	231

<210> 46

<211> 371

<212> DNA

<213> Homo sapien

<400> 46

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ctgtatacgc agaattcttt ccccaaatat tgcctcgctc catgtctgaa ggcgtaaaat	180
aaagtccatc atcatttttt ctttgtacat gtttatttgt tctttttcaa ttacaccaag	240
cattactcag ctgaagggaag caettgttac ctcttgctct tctctcgctt ctgggtttgga	300
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ccaattgcct c	371

<210> 47

<211> 261

<212> DNA

<213> Homo sapien

<400> 47

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gcaggattcg	atgagattga	gcaagatctt	actcagagat	ttgaagaaaa	gctgcaggaa	180
ctagaaaagt	ttcccgaggga	tcccagcaat	gagaatccta	aaattgaaga	cctctgcttc	240
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<210> 48

<211> 701

<212> DNA

<213> Homo sapien

<400> 48

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agagattctt	attcttgatg	tttgcttttg	attggtaac	aaatgtgcag	aggtaataca	180
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tgagaaatta	tctgatctgt	gtgtttgtgg	aagagaattt	tcaatatgta	actacggagc	660
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<210> 49

<211> 270

<212> DNA

<213> Homo sapien

<400> 49

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tatggaaata	gtattttggg	cagctcaatt	tatgcagaga	ttaaatgaca	tcataatact	180
ggatgaaata	tgcatagaaa	ttctgattaa	atagtgggtc	tgtttcccat	gtgcagtttg	240
aagtatttaa	attaacccact	cttttccacg				270

<210> 50

<211> 271

<212> DNA

<213> Homo sapien

<400> 50

atgcatttat	ccatatgaac	ttgattattc	tgaattactg	actataaaaa	ggctatttgt	60
aaagatatca	caatttgaaa	cagcaaatga	attttcaatt	ttacatttaa	ttataagacc	120
acaataaaaa	gttgaacatg	cgcatatcta	tgcatttccac	agaagattag	taaaactgat	180
ggcaacttca	gaattatttc	atgaagggtg	caaacagtct	ttaccacaat	tttcccatgg	240
tcttatcttt	caaaataaaa	ttccacacac	t			271

<210> 51

<211> 241
 <212> DNA
 <213> Homo sapien

<400> 51

tggtcggcggc	cgaggtgtga	ggagatgaac	tttgtgttaa	tgggggggac	tttaaataga	60
aatggcctat	ccccacggc	atgtaagtta	ccatgcctgt	ctcctccctc	ctacacattt	120
ccagctcttg	ctggagttat	tctacagaa	gttgccattt	accagccctc	tgtgattttg	180
aatccatgag	cattggaggc	ctctacagc	gttactacc	agcagggaat	cagctcttca	240
t						241

<210> 52
 <211> 271
 <212> DNA
 <213> Homo sapien

<400> 52

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tgcctgrrgt	ttgctgttaag	ttacgatttt	gcttcactag	ctcaaatctt	ttcactccac	180
caaaagataa	ggcacaggc	cgtttgtcca	atcaagtttg	ctgaaaatac	tgcagcctga	240
gtgtagacaa	actccctctg	aatttgcctag	a			271

<210> 53
 <211> 443
 <212> DNA
 <213> Homo sapien

<400> 53

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caatgagaaat	atctgattta	atggagtctg	ccaataact	cacaattctg	ctgttccgag	180
cagatagctc	tgttgcctaac	aggaactggc	acatctagca	ggttcacggc	atgacctttt	240
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ctccaaatct	actaacctca	gatgcacact	tgtctcgtga	tacagacctg	ccggggcggc	420
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agggcctaaat	ctg					493

<210> 54
 <211> 321
 <212> DNA
 <213> Homo sapien

<400> 54

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actgaatgtc	aataaaactct	gtgattttgt	taggaagtaa	aactgggata	tatttagctc	120
ctggtaagct	tctgaaggtga	aggattcagg	gacatctctg	ggaacaaaaca	ctccccattg	180
gactttctct	ctggagatac	ctttttgaat	atcaaatggc	cttggctcac	taggttttaa	240
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gatcgggttc	cataactctc	a				321

<210> 55
 <211> 281
 <212> DNA
 <213> Homo sapien

<400> 56
 ttgcacaaatga aaatgtgtggat gtataataag aaaaacacaag gggtttattct taacactaaa 60
 attaacatggc caaacgaaga ctgcattaca gctctctgtt totgtaatgc agaaaaatct 120
 gaacagccccc ccttgggttac agctagcaaa gatgggttaact tcaaagtatg gatattaaca 180
 gatgactctg acatatacaa aaaagctgtt ggttggacct gtgactttgt tggtagttat 240
 cacaagtatc aaqcaactaa ctgttgtttc tccgaagatg g 281

<210> 56
 <211> 612
 <212> DNA
 <213> Homo sapien

<400> 56
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 ggggtgttgg gagagactgt gggccctggag ataaaaactg tctctctctac caccacccctg 120
 taccctaccc tgcacccctgt ctcatctctg caaagtccag cttctctccc caggtctctg 180
 tgcacctctg tcttgggatgc tctggggagc tcatgggttg aggagtctcc accagagggg 240
 ggctcagggg actgggttgg ccaggggatga atatttgagg gataaaaaat gtgttaagagc 300
 caaagaattg gtatgtagggg gagaacagag aggagctggg ctatgggaaa tgatttgaat 360
 aatggagtg ggaatatggc tggatatctg gtactaaaaa agggctctta agaacctact 420
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 gcagggttgg gggagagggt gaggagagtg tgacatgttg ggagaggacc agacctgccc 600
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<210> 57
 <211> 343
 <212> DNA
 <213> Homo sapien

<400> 57
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 gacaagacat ttgacttccc ttctctcttg tctataaaat gtggacagtg gacgtctgtc 120
 aaccaagaga gtttgggggag acaagatcac agctatgagc aacctggcac gtgtccagga 180
 tgcacagcac aaatcatgat gogttttctc cctttacgca ctttgaaaac catgctagaa 240
 aagtgaatac atctgactgt gctccactcc aacctccagc gtggatgtcc ctgtctgggc 300
 cctttttctg ttttttatcc tatgttcagc acaactggca ccaaatatct tttaatccac 360
 cga 363

<210> 58
 <211> 750
 <212> DNA
 <213> Homo sapien

<400> 58

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gtgggcctctc	ttcaggaaag	agcaaatag	ttggcccaag	tacttgatgc	ttcagggaata	180
cacaaaggtg	cccatcaagg	gctcagaaat	gtcgagagat	atcatccgtg	aatacaactga	240
tgtttatcca	gaaatcattg	aacgtgcctg	ctttgtctta	gagaagaaat	ttgggattca	300
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tgtcgagatt	cattgcagag	gttcagaaaa	gagacctctg	tgactggact	gcacagttca	720
tggaggctgc	agatgaggac	ctgcccgggc				750

<210> 5'

<211> 505

<212> DNA

<213> Homo sapien

<400> 5'

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aagtgcacc	tggctacatc	agggcacatt	cagcagcaga	agtcctgttc	cagtatagtc	180
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gtacaacact	gtagtcaata	acagcagcac	cagacagcat	attaattctt	ttaccataaa	300
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atatcatata	tgtatgtctg	gataaataca	ttgtctgaca	acatctccaa	cctgcaggtc	420
ctgtctcaag	aattggggat	atagagtaat	acatgttttg	tggacctggg	ccgtgacccac	480
gctaagggcg	aattctgag	atata				505

<210> 60

<211> 520

<212> DNA

<213> Homo sapien

<400> 60

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accttatccat	caggtgcag	gagctgactt	ctcccaaga	gttgtggctc	cgggcagcgg	120
tcattgcttg	ctttgtctgg	agggctgatt	ttagtgttgc	ttattatgtt	ggccttgagg	180
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gcagacctca	gttaagataa	gatctctctg	cttgttcaat	ggggcatgta	cagtgggcac	420
gggaagcttg	aatttgtatg	acggagctct	atctgaacta	cacttaactga	acagcttgaa	480
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<210> 61

<211> 447

<212> DNA

<213> Homo sapien

<400> 61

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tctttcttcc	cggttggtta	tttctagtcc	tggggcaaac	caatgtcttt	gttcgaaaga	180
gggaaantaa	tcbaaacgtt	tttcttttaa	cttttttttt	aggttcaggg	gcacatgtgt	240
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tcagataaaa	aagcatagta	ccagataggt	agtcttttga	tcctcaccct	ccttcacatg	360
tcagacatca	ggtaggcccc	agtgtctgac	ctggccggcg	gcctcgctga	aaggggcaat	420
tcctgagata	tcacacacac	tggctcgg				447

<210> 62

<211> 83

<212> PRT

<213> Homo sapien

<400> 62

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Phe	Pro	Val	Ser	Gln	Asp	Gln	Glu	Arg	Glu	Lys	Arg	Ser	Ile	Ser	Asp
			20				25				30				
Ser	Asp	Gln	Leu	Ala	Ser	Gly	Phe	Phe	Val	Phe	Pro	Tyr	Pro	Tyr	Pro
			35				40				45				
Phe	Arg	Pro	Leu	Pro	Pro	Ile	Pro	Phe	Pro	Arg	Phe	Pro	Trp	Phe	Arg
			50				55				60				
Arg	Asn	Phe	Pro	Ile	Pro	Ile	Pro	Ser	Ala	Pro	Thr	Thr	Pro	Leu	Pro
			65				70				75				80
Ser	Glu	Lys													

<210> 63

<211> 643

<212> DNA

<213> Homo sapien

<400> 63

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<210> 64

<211> 749

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(749)

<223> n = A,T,C or G

<400> 64

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tatttgttat ttgtatttat tatctctgtg ttttccccc aaagcataaa atggtttact      180
gtgttcattt gaacccattt actgatctct gttgtatatt ttccatgcca ctgctttgtt      240
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aagcatttat tgagacattt gcacaatcta aaatgtaagg aaagttaagt attaaaaata      420
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aagtatagta aaatgctgac atttaaaact aaataaatag aaaaacacag gccagaacta      660
tagtcatt ctccacaaaagg gagaaattta aacttgaacc aagcaaaagg cttcacggaa      720
atagcatgga aaaaacaatg ttcagctgg      744
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<210> 65

<211> 612

<212> DNA

<213> Homo sapien

<400> 65

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acagcagtag tagatggctg caacaaacct cctcttacct cagccacagaa aatatttctg      60
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gggtagggtt cagtgcacaa ttactgtgct ttgagaaaga ggaaggggat ttgtttggca      180
ctttaaaatc agaggagtaa gtaggactgg agaggccaga gaagatacca aaattggcag      240
ggagagataa ttctgggtcca gtcccttagg agatgggagg agggagatag gtatgagggc      300
aggcgctcag aagagtagga ggggtccact ccaagtggca ggggtgtgaa atgggttagg      360
accaacagga cactgactct aggtttatga cctgtccata cccgttccac agcagctggg      420
tgggagaaat caccattctg tgactctcaa taaaataatg ggtctaggca acagtcttca      480
atggatgcta aaaacgattag gtgaaaagtt gatggagaat ttcaattcag ggggaattagg      540
ctgatacatc ctgaaaacct ttggcatcat taaaaatgtg acaacttggc ggtgcccagg      600
gaggaagggg ag      612
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<210> 66

<211> 703

<212> DNA

<213> Homo sapien

<400> 66

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gtagctcagc cccgccagct gcagacgcta attgtcaca cttccacaaa agctgccacg      180
accagcactt gtgttttgat tcttcttttt tccctggctc tcatcatctt gccagcttc      240
agtccatttc agagtgcacc agaagctggg tctgaggatt accagctca cggagtgaat      300
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tccagaaata	tccagaccga	caaggacgta	acagaaaatc	tggagaccca	agtggtagag	360
tccagaccga	gggagccacc	tggagccaaag	gatgcaaatg	gtccaaaccag	gacactgctc	420
gagaagatgg	gaggggaagcc	aagaccccagt	ggggcgccacc	ggcccgctgct	gcctgcagat	480
gagatgtgag	ctgggaacaga	ccctccctggc	ccactccctg	atccaaagga	atccctgggct	540
tccctatggc	cttgctccccc	actgggattc	ccacttaggt	gtctgcccct	aggggtccaa	600
atccctccag	gacaccccaa	gagatgtccc	ttagtctctg	cccgaggccct	agtctgcatt	660
tgcttgata	tatgagaggg	taactgcccg	gggggcgcct	aga		700

<210> 67

<211> 1022

<212> DNA

<213> Homo sapien

<400> 67

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accatggatg	aactgtttct	cagcactgtg	ctgctccact	tgggaattaa	gatgaattgg	180
gaggagaaag	cattgacatag	gtgggttaggt	tgggtgggtga	gggggaaccag	ttctaatagt	240
ccccaactct	actccagctg	ttctgtttcc	acacgggtcc	ctgagctggc	ccagtccctt	300
ccactccagt	tgtccacaaa	ggcagcttcc	aggctcaatg	gcaagagacc	acctataacc	360
ttctccactc	ctgtctgcctc	ttctctgtgc	cactgactgc	catggccacc	ctctatagcc	420
gcatttgtcc	cagtgctgtc	aggccccaga	caagggaagg	gagccatggc	gagactccaa	480
ttcccaggcc	tttaactctta	acctagacc	tgttgcctct	agcaccattt	atttatctac	540
ccacttaata	gctatctacc	agtcattaaa	ccatgggtgag	attctaaacc	tgtctagcac	600
ctgatgttag	agataatttt	gttgaatccc	ttcaattata	aacagctgag	ttagctggac	660
aaggacttag	gagggcaatcc	gtattattta	ttcttgaaca	ccatccagtc	tagaactggc	720
ggttccatct	ctctatccata	atccctgggg	gttaagaaatc	atatagcccc	aggttgggaa	780
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attttctaaa	ttctctagccc	ctgtctggga	atttgcctcc	ccccgctccc	ttgacaattg	960
tcctcgtgtc	cgtctccggg	ccctgagact	ggccctgctc	atcttctgtc	ccctccatcc	1020
ct						1022

<210> 68

<211> 449

<212> DNA

<213> Homo sapien

<400> 68

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agagatttcc	tgggtctgct	agaggccccag	acaggctccac	ccaagctctt	taactgaaaa	180
gcaacaaagt	actccaggac	aaggtccaaa	atgggttata	cagcctctac	ctgtcgcccc	240
agggagaaag	ggttagtgat	acaagtctca	tagccagaga	tgggtttcca	ctccctctag	300
atattcccaa	aaagaggctg	agacaggagg	ttattttcaa	ttttattttg	gaattaaata	360
cttttttccc	tttaactactg	ttgtagtccc	tcacttggat	atacctctgt	tttcccgata	420
gaaataaagg	aggtctagag	ctttctatcc				440

<210> 69

<211> 387

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 63

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cnntactggt	tantctcatt	tattctcttg	cnactantc	ctctnctctg	gaatcacacc	120
attattgggt	gttaaacctg	gactgtgagt	accangcaat	taatttgcac	caanaaagtt	180
gagggtaatt	tcnataattg	caatctgtac	agaggggaag	tgatttcaat	ttgatttcaa	240
cttaaacctc	atctttgtct	gttaaacacta	atagaggggtg	tctaataaaa	tggcaaat	300
gngatcttat	tnngtataac	tacaactctt	ttcacagatg	tgatgactga	atttcacaca	360
acctggcggg	gggncgntc	naagggg				397

<210> 70

<211> 836

<212> DNA

<213> Homo sapien

<400> 70

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accctaggtt	atttatttat	agatatctgt	ttacaaaagt	tgtagttaat	cttgatgctg	180
accctctgaa	atgtactttt	ttcttgaaag	ctgttccaat	ctaaaaatag	agcttttgag	240
aaaacaaatga	tgtaaattcc	ttatgataaa	aggatgattc	tatatattct	ttaatgatat	300
taaatatgtc	gaagccaagt	acacagctct	cttaaaagtgt	gtgtatgttt	gtgtgaatgt	360
gaatgataat	gactcttat	ctgttaaaaag	ctgttttaaa	aagctgtggc	atcccatgtt	420
tcataatttg	caagtctctc	gtaaaagatgt	ctaggacagaa	atatttttatg	tgttaattgca	480
tgtatttgha	aaacagattt	gtttaccact	caaaaattaa	ttgtttctct	cattccaaaaa	540
agtccatttt	ctccagctac	ttaaaatttc	tgtgtgggta	taatatagct	ttctaatctt	600
ttctcttctac	aaaggcaggt	tcaaaattct	gttgaaagaa	aaatgcttcc	tgaaaactgag	660
gtataacatc	agagcttctg	gtttaaaagg	ttatatgatg	tacatcagtt	ctataaatgt	720
gctcagaggt	ctaacatgtg	aatcctgttt	taaagtgtcc	agatttcaac	tgtgttaagcc	780
attgataaaa	cggtgttaatt	aaaaatgttt	atatgaaaaa	aaaaaaaaaa	aaaaaa	840

<210> 71

<211> 813

<212> DNA

<213> Homo sapien

<400> 71

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ttcacaggag	caattctgtt	accttttttt	cttgatgctt	tactaaactc	atcttttaga	120
tttaaatcat	tagtagatcc	tagaggagcc	agtttcagaa	aatatagatt	ctagtccagc	180
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ttttccattc	tttatccatt	tattcaacaa	ccaggtgaca	aaacctggaa	ttacaggatg	300
aagatgagat	aatccgctcc	ttggcagttg	tatactatta	tataacctga	aaaaacaaac	360
aggttaatttt	cacacaaagt	aatagatata	atgacacatt	taaaataggg	cactactgga	420
acacacagat	aggacatcca	ggtttttgggt	caatattgta	gacttttttg	tggatgagat	480

atgcaggttg	atccagaag	gacaacaaaa	acatatgtca	gatagaagg	aggagcaaat	540
gccaaagagt	ggagctgagg	aagatcactg	tgaattctca	tgtagtctag	ttggctggat	600
gctagagcaa	agaggtgg					618

<210> 72
 <211> 306
 <212> DNA
 <213> Homo sapien

<400> 72						
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ccagtccccc	ttcaacccag	ttgatgtaac	ccctccattt	tttccaaata	cagaatctat	420
tctactctgg	ctatgggctt	cgctctcact	cagttattgc	gagtgttgc	gtccgcctgc	480
tcggggctcc	acttggctcc	tgtgtctctg	atcatgggtg	ctcccccggc	ctgtggttgg	540
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cccttttaag	ggattgaaa	cactttttac	acatggagaa	atatattttt	aatttgtgat	660
gctttctcac	aaggtccact	attctctgag	ttatgtgtgt	tcacacactt	aaggagactc	720
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tttagatgtt	gaaaaaaaa	aaaaaa				846

<210> 73
 <211> 301
 <212> DNA
 <213> Homo sapien

<220>						
<221> misc_feature						
<222> (1)...(301)						
<223> n = A,T,C or G						
<400> 73						
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agtcccttca	ggctagctgc	atcaactctg	ctgattttgt	tgcacatcag	atgtaattcc	180
gtaaggggag	gaggaaagac	ttgaggaatg	ctggggatct	tgggatcagc	aatggcgatg	240
tasgaagagt	ttttctcttc	ccctggaaag	ccatatttca	atyccttgag	ctcttcakcg	300
g						301

<210> 74
 <211> 401
 <212> DNA
 <213> Homo sapien

<400> 74						
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agtgtgttct	ggatacagag	ccatctgtgg	ctctctgggg	ccacactcagc	ttaggctgtg	120

ggctccacaga	gcactcatct	ggctgggcta	tgggtgggtggt	ggctctactc	aagaagcaaa	140
gcagttacca	gcacattcaa	acagtggtatt	gaacatcttt	tacatataaa	agtgagaaac	240
aagaaggcaa	cataataatg	tcattcagaaa	gatgttagga	agtaaggaca	gctgtgtaaa	340
gcttgagggt	gaaaagtacg	ttggccagctt	cattctcttg	gtttcttggg	tagtgggcgg	440
ccggaacagc	aagatgtgag	gtctctgggtc	atggatcata	t		441

<210> 75

<211> 612

<212> DNA

<213> Homo sapien

<400> 75

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tattgcacaa	tgtctcgatc	aatctctctt	ttctctcttt	gcccacaatt	taagcaagta	180
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ccatttcatt	tgtctctcta	gagcagccat	ctacaagaac	agtgtaagtg	aacctgctgt	480
tggcctcagc	aaaaagttca	acatcattag	agcctctgtg	aatgacagcc	tttttcaggt	540
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aggcatagtt	gg					612

<210> 76

<211> 844

<212> DNA

<213> Homo sapien

<400> 76

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accaagggtg	caaatctggat	gctatcaagg	tattctgtaa	tatggaaaact	ggggaaacat	180
gcataagtg	caatctcttg	aatgttccac	ggaaacactg	gtggacagat	tttagtgcctg	240
agaagaaaca	cgtcttggtt	ggagagtcca	tggatgggtg	tttccagttt	agttacggca	300
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gcagagcttc	ccagaacata	acatataact	gcaaaaatag	cattgcatac	atggatcagg	420
ccagtggaa	tgtaaaagaag	gccttgaagc	tgatggggc	aaatgaaggt	gaattcaagg	480
ctgaaggaaa	tagcaaatct	acctacacag	ttctggagga	tggttgcacg	aaacacactg	540
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ccacccaagt	ccagagggtg	aatgtcaagg	aacggcaggc	gagatggctt	atttgttttg	660
tattcaatga	tgtctcttgc	ccattcattt	gtctttcttg	agcagccata	gaactaggaca	720
gagtagtg	acctgctgtt	gccttcagca	acaagttcca	cattgttggg	acctgcaga	780
agcacagct	tgttcaacct	gcccgtctcc	tcattccagat	acctcggcgg	cgaccacgct	840
aata						844

<210> 77

<211> 314

<212> DNA

<213> Homo sapien

<400> 77

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ttgatgtgga	aattgtgtgt	gtaccacca	cctcctgaag	aggcttcctc	gatgccaatg	180
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agcgtgtgtt	ttatgtcaag	cagcatcttg	tactcttggt	tctgagcctc	cactctgcat	300
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<210> 78

<211> 548

<212> DNA

<213> Homo sapien

<400> 78

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tcccatgcta	tcttctaaaga	taactacaaa	tattcttcaa	agattttaact	gagttctgac	120
aaggacctcc	caggaccta	tccagaatga	ttattgtaaa	gctttacaaa	tcccaccttg	180
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<210> 79

<211> 546

<212> DNA

<213> Homo sapien

<400> 79

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tgcctgggaa	aagggtctta	gtatagtcta	ggatggatgt	gtgtataata	ataaaatgat	180
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cttagaaaac	aaattcttgac	acttgagggg	tacccaatgg	tctccttccc	attctttata	600
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<210> 80

<211> 276

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(276)

<223> n = A,T,C or G

<400> 80

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gaagcccaac tctctctctc ccagttcttc	tctggatgc	agncatccan	agatgtgacc	180
tcttcagacg gc aaaaatccg caaccaaggc	atggatgtgc	acgatggcaa	ggtgggtgtc	240
caaccaagaa caggtctctc gcaccaagaa	ctgagg			276

<210> 81

<211> 647

<212> DNA

<213> Homo sapien

<400> 81

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cagaaaaaca caacccataaa atattgttcc	aggatcacga	tattaattaa	gagtgcattc	180
gttagcaaca cgttagacatt cctacatata	cgggtggaag	ctgggttctg	agatgggatt	240
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gtcttaagtag agagttagaa gagagacagg	gagaccagaa	ggcagtcctg	ctatctgatt	600
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<210> 82

<211> 878

<212> DNA

<213> Homo sapien

<400> 82

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gtccagacaca atcagaatya cagaaaaatc	ctgcttaagg	caagaaaata	taagacaaga	120
ctatgatctc aatgaatgtg cgttaagtaa	tatgtttcca	gctaaaatgg	tctaaaaaag	180
aactattaaagc gtggacagac ctatttcaca	ggagcttaac	tcatctcaat	cgttttagtt	240
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ctctccctctg gcccctccca cctgcacata	gtcaccaaat	tctgttttaa	atcaatgacc	540
taagattcac aatgaagtac tttataaatg	tatttatgtc	gttagactgt	gggtcaaatg	600
tctccactct caaattattt agaattctta	cgagttaaaa	atttgtaaat	tcttaattcc	660
aactatgcaa aatgaaaatg ctgctccatt	ggagttagct	ccacccataa	tatcaagatg	720
gctatatctt aaaaagagaa aatatggtca	agtctaaaat	ggctaattgt	ccatgatgtc	780
tattatctca gactaatgac atttatcttc	aaaaacccaa	attgtcttta	gaaaaattaa	840
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<210> 83

<211> 645

<213> DNA

<213> Homo sapien

<400> 83

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cagctgaacag aggttttcttt cccagtgaca agcatatgtg gtcagtaata caaacgatgg      180
taaatgagggt tactacatag gcccagttta ccaactcttc ttctctcggg gtagggcatg      240
atataagtggt aatccatcaa ataattttaa cccaaggcga taacaaagct atttcccatc      300
taaacctcat taaggcttcca caatgtcgca atggattcag ttacttgcaa acgatccggg      360
gtctgcatac agtactttgt tttacacat aagctgtgtg cactcccttc ttccctggcc      420
cagtcagggt tctgtgttgt ggacggaaa gggatcatt ttgaaaatgc ttccctcaag      480
acagaagtga gaaagaaaag agacccctgag gccaggatct attaaaactg gtgtgtgccc      540
aaaaggaggg ggggaaggcag gaatttgaaa ggataaacgt ctcttttggg ccgaggaatc      600
aggaagcgtg atccacttgg gtctgggaag ataccgaaat ccgggt

```

<210> 84

<211> 301

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(301)

<223> n = A,T,C or G

<400> 84

```

cttgatgtca atacaaactt gaaggatggt aatgatgtac caatccaatg tgaaatctct      60
ctctcttatct cctatgttgg agaaggatta gaaggttatg tggcagataa agaattccat      120
gcacctctaa ctatcgatga gaatggaggt catgggttgg tgaaaaatgg tatttgaaac      180
agataccaaq tttgttttgc caagatagga atagctttta tttttgatag accaactgtg      240
aacctacaaq aactcttggg caactgaagn ttaaatatcc acanggggtt attttgcttg      300
g

```

<210> 85

<211> 296

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(296)

<223> n = A,T,C or G

<400> 85

```

agcgtgggtc gggtgcnogan gttagagaac gactgaaaag tttagatga agaaagtctc      60
ctctcrgatc acagccatct tggcagtggt tgttggtttc ccagtctctc aagaccagga      120
acgagaaaaa agaagtatca gtgacagoga tgaattagct tcagggtttt ttgtgttccc      180
ttaccatat ccatttcgpc cacttccacc aattccattt ccaagatttc catggtttan      240
aegtaatttt cctattccaa taactgaatc tgcacctaca actcccttc ctaggg

```

<210> 86
 <211> 806
 <212> DNA
 <213> Homo sapien

<400> 86
 tatacgaatgg caatttgcgc attgtttttc ctctgtgtgt agt-gagt-gac cctggcagtg 50
 tttgcttgcg cagagtgggc cctcagaaca acagggctgg ccttggaaaa accccaaaaa 100
 aggactgtgg tgcacaactct ggtcaggtgt gatttgacat gagggccgga ggcggttgcg 150
 gacggcagga ctggagaggg tgggtgcctg gactggcag cagaggctct gtgtccccc 200
 ggcagatctg ggcacttttc caacccaggt ttatgcctgc tccagggaag cctcggctgc 300
 agagtggggt ggagatctga ccacccccc agaccagaaa caaggaattt ctgggattac 350
 ccagtccccc ctcaacccag ttgatgtaac cactcattt ttacaaaata cagaattctat 400
 tatactcagg ctctgggctt cgtctcact cagttattgc gagtgttgcg gtccgcatgc 450
 tccgggctcc agtgggtctt tgtgctctag atcatgggtg ccccccgcgt ctgtggttgg 500
 aatcgatgct acggattgca ggcacaaattt cagatcgtgt ttccaaaacc ccttgcctgtg 600
 ccccttaatt ggattgaaa cactttttac acatggagaa atatatattt aatttjtgat 650
 gttttctatc aaggtccact attctcgagt ttaattgtgt tccaacactt aaggagactc 700
 taatgaangt tcatgaattt cttttctgtt ccaaacaggt aaaataaaaa taaaagtcta 750
 tttagatgtt gaaaaaaaaa aaaaaa 800

<210> 87
 <211> 600
 <212> DNA
 <213> Homo sapien

<400> 87
 ttttggctt agatctgaaa tgtctgagag caatagtttc tgttgaattt tttttgttc 50
 attttcttgc aaggtccact ctgtttttat tactatctag gcttgaaata tatagtttga 100
 aattatgaca ctctctctct ttgttatttt cctcatgatt gcttgggcta ttcaaaagtt 150
 attttagttt cagttaaatc ttctgaattgt attttccatt attgtgaaaa tagtaccact 200
 gcaattttta taggaagttt attgaattct tagattactt tggataatat ggcacttcaa 300
 caatattcat gttttcaatt catagacaaa atattttaaa atttatttgc atcttttcta 350
 attttctctt tttttattgt aaagatttad ctctctggtt aatattttcc ccagaaattt 400
 attattttaa gtttagtcaa taaaattttt ttctctattt tgttcagata gtttaagtgt 450
 atgaaaacat agtatatact gtatgttaat ttatatattt gctaatttad cgagtgtatt 500
 tattagttta gagaggtttt aatgtactgt ttatggtttt ttaaatataa gattacttat 600
 tttttaaaaa aaaaaaaaaa 650

<210> 88
 <211> 308
 <212> DNA
 <213> Homo sapien

<214>
 <221> misc_feature
 <222> (1)...(308)
 <223> n = A,T,C or G
 <400> 88
 tagtgtgnt cagcagggcg aggttttttt tttttttgag atggagttct ggcctgtcac 60

```

ccaggctgga gtgcagtggc ctgatctcag ctcaactgcaa gctccacctc ctggattcac 120
gtattctctc tgcctcagcc tcccaagtag ctgggaactac agggcgccgc caccacgcgc 130
agctaattnt ctgnattttt agtaacagat ggggtttcat cgtgttagcc agcatggnet 240
cgatctcttg aactcgtgaa ctgcgcgcct cggcctccca aagacctgcc cggggcgggc 300
gttcgaaa 304

```

```

<210> 84
<211> 4x2
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (492)
<223> n = A,T,C or G

```

```

<400> 84
agggcgccgc cgggcaggtc tgttaagtaa cacaatatac accttaataa aaatcaagat 60
gaaatgtttt apaaactatt ttatcaaaaag tggctctgat acaaagactt gtacatgatt 120
gttcacagca gctctattaa tgcacaaaag tagacaaaac ctaaatgtcc attaatgat 180
aagcaaaaatg tcttatctcc atacaatgga atattatgta gccacaaaca tggcatggag 240
tactacaaca tggatgagcc tcacaaaact tatgctaaat gaaaaaagtc agatatagga 300
aaccaaatgt catatgctcc catttatatg aaatagccag aaaaggcaag tcatagaaac 360
aagatagatc ggcacaaatggg ttggaggact acaaatggca ccagggatct ttgaagttga 420
tggaaatggt ctacaaatcag actgtcgntg tggttgaaca agtctgtaaa ttacacaaaa 480
tgggttaata ca 492

```

```

<210> 90
<211> 3x0
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1) ... (390)
<223> n = A,T,C or G

```

```

<400> 90
tcgagcgggc gccggggcag gtacaagctt tttttttttt tttttttttt ttttctaaca 60
gtctctctgt ttattgcaat acagcaaaag ctgggttaata ttaagngata tcaacataaa 120
gtattgggtg ggaagtcttt gtgacatttt ttaccatccc accttaataa tttctgtgca 180
aaanaatcca catcattggt tgggtancana ggatctctta aaaagtcccc taanacactg 240
agggpataaa atcaaaataaa ataaaataag gagtgatagg ctaaaagcag atcttccctt 300
ccatccataa ttatcaagca ttatattcta accaaaaaat gatcacacca ggccatgcaa 360
aactgtctaa tattacggag aaaaaaccc 390

```

```

<210> 91
<211> 1x2
<212> DNA
<213> Homo sapien

```

```

<400> 31
agcgtgggacg cggccggaggt ctgtcaatta atgctagtcg ccaggattta aaaaataato      60
ttaactcaaa gccaatgca aaaaacattaa gtcggtaatt actcttgatc ttgaattact      120
tcggttagga aggtccctca cttttttcaa actaagctac tatatttaag gcctgcgggg      180
ggggccggcc ga                                     192

```

```

<210> 31
<211> 570
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

```

```

<400> 32
agcgtgggacg cggccggaggt ctgacaacta accaagaagc aaaaactggc atcttggaca      60
tcctagttatc actcttgcaa gcaattagaa cacaaggagg gccaaggaaa aagtttagct      120
ttgaattactc tccaaatcta ctgattttga ggttcggcag tagttctaac aaaaactttc      180
agacaatgtc aactttcgat taagaaagaa aaaaacccca aacatcttca ggaattccat      240
gcacaggttcg gtctcttcca gtgagcccgc ttgtaaaaag tccacgtgca ccattaatta      300
gcctggggcgg cagcaaccatg taaaaagaag cctattccac accaaccaca cagactagac      360
atgtaaaagta ggttcaagta atggatgaca accatggctg tgggaatatg tcaatgagag      420
tcagaaaaagc atgggcacca gtacaagcag cagataacag aattgaacggg ccaaaggata      480
aaaatagggtc tttttaaata ggatgctaca gaacacatnc attcttaatt ggaagctgct      540
ttacactggg tggcattgna ccatatgcac                                     570

```

```

<210> 32
<211> 446
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

```

```

<400> 33
tcgagcgggac ggcggggcag gtccaggttc ctatttagtc gtglaatttt ggacaagtta      60
cccaactttt tttagcttga atatatttaa cctgcaaaat gagaatcatg ataatacgtc      120
ataggcttaa ttggaggat taaatgaaat aatttatagg tggcgccatg gttacataca      180
agtattatc gtttaattctt tctcttctgt tacttttata gtataggttg gatgaagggt      240
ccagtatagg ccaaaatact aattgggggt aaagttagat gtgatacttt atttgaaatg      300
ttcctgtaac ctatctttta ctttttgnta ctgttgcact acccaaatcc aaattttcat      360
cccaaatctt ttgattttgt gggacagcng tagcagcttt tccaatataa totatactac      420
atctttttct aatttgggtgc tttttg                                     446

```

```

<210> 33
<211> 446
<212> DNA

```


<213> Homo sapien

<400> 94

cgaggggagg	ccggggcagg	tcctatcagct	cttctgctta	gaatacaggag	cagacagtgg	60
agagggtcaca	tcaggttatcg	tcctatcaggg	tgatgaccca	agaaagggtga	gtgagaagggt	120
gtcgggcacat	aggctctcgg	atccacccat	ggagagaagcc	ctcaagttgc	gtatccagga	180
ggagattjga	aaagggcaga	gcbaacactg	accatgttga	aggcgtctct	tcagggtgg	240
attcactgca	ctgggaagaa	ttctgcccag	ggaatttagt	gtgggggtac	caggaccagt	300
ttgtcttjat	cttgagaccc	ccagagctgc	tgcacccata	gggtgttgca	ggactacacc	360
tggcctggat	tggagtcaat	ctttcttata	tgttgaccca	tttgcccaa		409

<210> 95

<211> 490

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(490)

<223> n = A,T,C or G

<400> 95

tccagaggggt	gcccggggcag	gtcttacttg	tttgccagct	ccacacactg	cccttaacct	60
ctacccctct	tcctatgctta	actgggttta	gaaagggtgag	ctatgggtag	aagaactact	120
tgggactttc	aagtgtgtga	tttgaacgat	aagcttatag	ataacagtct	gaagctgcaa	180
gggagacttt	gttagtadac	tactataaac	aggtaaaact	ctgttttgta	cttgatatag	240
tgcataatga	atgattgatt	taatacaaaa	ctacagaaca	tgcataaatt	ttcttgagat	300
gttaagtatt	atttcagtgg	agaacaaaaa	ttacttaacc	tttcgttaat	gcattgtagta	360
ccagaaaagca	aatatggttt	tagcttcctt	tactcaaaat	atgaacatta	agtggttgtg	420
aattttgtct	gccaagtggg	ccagaaaata	cattataaat	aaccttaagt	aaaaaaaaaga	480
aactgnyaa						490

<210> 96

<211> 223

<212> DNA

<213> Homo sapien

<400> 96

agcgtgggtc	cgcccgagggt	ctgggaagccc	acctaggac	ttgaatggca	ccctgtctct	60
ctctctggag	taattgcaatc	caacacaata	tgtatcaggg	aaaacagaat	ttccacgggtg	120
ccgctctctg	gtacaaggga	aacagcagcc	aaagcaaaag	gcacacagagg	gtctctctgag	180
aatccagtca	aaataaggga	ggacctggcc	ggggggccgc	tgc		223

<210> 97

<211> 527

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(527)

<223> n = A,T,C or G

<400> 97

togaggggga	gcccggggag	gtctgtgag	gagacactga	agtgggtagt	gtccataatc	60
tttttaggct	gttgetgaaa	ttccagttgt	actccttcba	accaaaatgc	ttacaggatc	120
atgggaaaag	ctcgggttga	gaaatcaaga	caggcaagtg	ggaagataac	tgggcttga	180
ggtaaaaag	atctgggttc	aaagcatagt	ttcactctct	gtctgtgaa	gtgtcctggg	240
tgaagtcatc	ctctctcttg	aatttcagag	aggatgaaaa	tataaaaagt	ataataacta	300
ttctcatatc	ctctgtgagg	attaaagaag	acgaagtgtg	tgaaaagcta	agcacagagc	360
aggcatttca	caataagtag	ttattatttc	tggaaactac	cagnccttag	ccccagccca	420
attaccttct	cttagnctct	tcatatcgaa	ngcgttaatc	ttgaacttct	cttgonactg	480
gattgggtgt	ggctgatgac	caaaatttcc	gagatgtgtg	ctgggaa		527

<210> 93

<211> 514

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(514)

<223> n = A,T,C or G

<400> 93

togaggggga	gcccggggag	gtctgggtcc	catgggcctc	gggggtgggt	gactctgtca	60
ctattcctaa	aactctctag	gacatctgtc	ccaggaagaa	ctttcaacac	caaaattcat	120
ctcaatttta	cagatggggaa	aagtgattct	gagacagagc	cagggtcagg	ccaaggtcat	180
ccagcatag	tggctggggt	gagaactgggc	ccagggaacc	ctgtctgtct	ctctttttcc	240
cagagctgtg	agctctctag	ccaagggtgc	actcttgagg	gagagccagg	aagcatagct	300
gaggccatga	caactcactc	cttcacttga	aaatttaacc	ctgggcagag	gaccagggca	360
catatagggt	tgggagccaa	acaggacctc	ggcggcgacc	acgctaagcc	gaattccagc	420
acactggggg	ctgttaactag	tggatcccca	gcttnggtac	caagcttggc	gtaatcatgg	480
gcatagctgg	ttcttggggg	gaaaatggta	tcgg			514

<210> 93

<211> 530

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 93

togaggggga	gcccggggag	gtctgaagaa	acagggtataa	atttggccagc	cagtaatttc	60
gacaggggaag	ttacagcttg	catgaattta	aatatgtaaa	tttgaaaata	ctgaattctg	120
agtaatcatt	gtgctttgtg	ttgatctgaa	aaatataaca	ctggctgtcg	aagaagatg	180
ttcaaaaata	ttcaattcac	ttcaaaatgt	catacaaatt	atgggtggttc	ctatgcaccc	240
ctaaaagcttc	aagtcattta	gtcaggttac	atactaaagt	aatatattaa	ttcttcaggt	300
acagtgggtg	ttcataccat	tgcattttgc	ataccctaga	ataatttaag	aaagacatgt	360

gtaatatctca	caatgttcag	aaaagcaagc	aaaaggtaaa	ggaacctgct	ttgggtctctc	420
tggagatggc	cccatatcag	cttcataaac	attcattcta	caaaatagta	agctaaccat	440
ttgaacccca	atttcacagat	taagcatatt	tttcataaaa	tnatgaagcc		530

<210> 100

<211> 529

<212> DNA

<213> Homo sapien

<400> 100

agcgtgggtcg	cgcccgaggc	ccaggccacgg	tggcttatgt	gtgtaatccc	agcaattggg	60
gaggttgagg	gaggtggatc	acttgagtc	aggagtttga	gaacagtctg	ggcaacatgg	120
cgaaacttca	tcactaccaa	agaagaaaaa	aattagccag	gtgtgggtgg	gtatgcctgt	140
agtcacagat	actctgggtg	ctgaggtgag	aggatagctt	gagccagga	aattgaggct	200
gcagtgaact	atgattgcac	tactgtgctc	cagcttgggc	aacagagtga	gatcttgtct	260
ccaaaagtcn	ttgaaggatt	ttaggaagtt	gttaaaagtc	ttgaaaacgat	gtttgggggc	320
atgttagggg	tcctgaatgt	tttaattctc	taataactgc	ttattcaaga	gaagcatttc	380
tgactgggtg	cggggagatg	gcttcctgct	ccataatccc	agtaacttgg	gaggctgaag	440
caggaactct	gcttgagccc	aggacttcaa	gaacagctct	ggtaacata		520

<210> 101

<211> 277

<212> DNA

<213> Homo sapien

<400> 101

tcgagcgggc	gcgcgggcag	gtccgcaggaa	gaggatggaa	actgaggagt	ccaggaagaa	60
gagggaaagg	gatcttgagc	tggaaatggg	agatgattat	attttggatc	tcacagaagta	120
ctgggattca	atgaatttgt	ctgaaaaaca	tgataagata	ccagaaatct	gggaaggcca	180
taatatagct	gattatattg	atccagccat	cataagaaaa	ttggaagaat	tagaaaaaga	240
agaagagctg	agtaacagact	tgggcgcgca	ccacgct			277

<210> 102

<211> 400

<212> DNA

<213> Homo sapien

<400> 102

gcgtgggtcgg	ggcccgaggct	tgaaggctctt	gtgtcccccag	agcccgctaa	acgcaagaaa	60
agtcgacggg	acagtttagag	gggatgtgct	aaaggctgaa	atcagtctgc	cttaattctt	120
agaaagatct	tggtaactag	gtgtccccagg	gttgggttgg	ggcccaaaagt	gtaaggaccc	180
cccgccctca	gtcgagagct	ggagcttgga	gacattaccc	cttcattcaga	aggaattctc	240
ggaagcttct	ttgggaagct	gttttggctc	ttggaaggag	tgagagctgg	gaagctctct	300
ttgggtccaa	gttaggttgt	atgtgggtaa	gttagaggtc	tcctggggata	aagggtctct	360
taggggcaaa	aaatcactct	aggtttatat	tgtatgtagc	ttatattctt	tactaagggtg	420
tcacctctca	agratctata	aattgaactc	ttttctctag	ttgtatgacc	tgccccgggc	480
ggccgctgga						490

<210> 103

<211> 400

<212> DNA

<213> Homo sapien

<400> 163

gagggggggg	ggggggaggt	ccaaaaccagc	ttgttcataa	gtcattaacc	aaatccatta	60
taggttaatt	gttcagttca	atgtttacaa	ttcttatgga	aaaaattagc	aacacacaca	120
tttaaaaagt	gtgcatttca	ctttgggtga	gtgtttaaaa	tacatatttc	tatttcaaga	180
tgacatttaa	aaattattct	aatatatcag	cagcaaaaat	ataatttgcg	attacaaaaa	240
actaaactag	aattcottaag	ctactctcat	gtttacagtc	gtgattcttt	aataaatact	300
attatgcagc	ctactgtgtt	aagctttctg	gatttgggtt	aaacacatgc	atatatattg	360
ccaattgtgg	gaagcttcaa	aagcttatatt	ccatgcactt	tttggacaga	gttctaacag	420
agccagccag	tcacaaaaac	aggcaagaca	aaagttagat	taactggggc	aaaataggac	480
ctttatgcaa						490

<210> 164

<211> 489

<212> DNA

<213> Homo sapien

<400> 164

ggtgggtggg	ggggaggtcc	aggctgggtct	cgaaactctg	accttggtgat	ctgcctggct	60
gggctctctc	aagtgttggg	attacaggga	tgagccactg	cgcccgacgg	agttgaacat	120
ttaatgtcag	actaggccag	ajttctctca	tcttttctatt	ctcacttccc	aaaggagcgg	180
ctggagattt	tcctctcaat	ctctctctct	cataaaaatt	cataccacaa	atatagtatg	240
ttttactttt	gtactgtgac	cttttggaagg	atcacaaaac	aataataatg	ttttctcttt	300
taacccgtca	aggaccaaagt	ttttgcccc	gttggaaaatg	cataaaactg	actgatgaat	360
tgggtatagat	ggctttctatc	atgaggatca	gaaaaaactg	aaattctctg	gtacagacac	420
tcctatattt	tcacgttata	gggagggaact	tgggtatggg	aagtagaaaac	acttctacac	480
tttacagca						489

<210> 165

<211> 479

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 165

gggtgggtgg	ggggagaggt	tgaatgggtt	cagcccccaga	agttgagctg	gcttttagac	60
aaaataaattg	caactccctc	tgtgtgttat	tccttctcgt	ttttcatttg	agtgtgaaca	120
gttagatcaa	atctgtgggt	gnctctctca	cttggctcta	gtttccattg	ctgtgagcag	180
gcctctctat	gcccgcact	tacatacaat	gtgttggaat	catttgattc	ttttctctcg	240
agcttctgct	agaaatatgt	gaaggtgagg	ctaatgtgtt	ctctgtgttag	atccacttag	300
ccctgtctgc	tgtctcgatg	gggtgtgctt	cgctctctct	ctctcccatc	ctttccattt	360
gcttctctcc	acctctctgg	ttcttttctt	aatgcaataa	aggaagtctc	taacaaagaa	420
agaatgtggg	ctttggagtt	agacagaact	ggnttttaaat	tctgctctct	gtctctcaa	479

<210> 166

<211> 511

<212> DNA

<213> Homo sapien

<400> 106

```

ttggggggga ggtccaaaac gtggattcca atgaactgac ttgagccccc ggttggcagg      60
agttggactc gcagtagtat ggggaagctca cggcctaaat accgaactgc ctctgacccc      120
accgtccagg gattctagaa cattcttagt aggaagaca tagcaaggga ttttcatgat      180
tgggaaatac tgggagacaa gctgaagatt tggtaagggc tatgctcttg tcatctttta      240
ggtatttcag gctactcttc tagctagcta ctttgagctg tttaaagtga ctatctccct      300
acacagagtt acacaatgag catctctgaa agagaatatt accctggatt tccaaagatg      360
tactctaacg ggatgacccag gcaaaagggtg acccggggga ggagtctgtt ataaccctcg      420
gacccacatg ttcccaaggc actccagaac ttctgggaat cattttgtac cggatctcca      480
gaaagcattt atggaaatac acatctttta g                               540

```

<210> 107

<211> 451

<212> DNA

<213> Homo sapien

<400> 107

```

ggccggccgg gcaggtccag aatatcaaat caaaagggtc caaatgttca ctctctcttc      60
caccctctta catattggat ctccaatttg aatagggagt gtaagatggg ctttttagag      120
acgtagtctg acagcagaa gcaaacccat cttatacaaa tgggttttgg ggataggaaa      180
aggctgctaa aaattccaaa gtcaccatcc cccagaagca atgaatagcc gtagaagacc      240
aagggaagtc aacaagtctc caaagtgtca aagccagaga ttctggccctt ccaaaatacc      300
accaggaagg ctggacccgt gggctctctg catgtcccca ctgaactgca ggatgctgtc      360
gcacctctct tctttgagac acaacagaga gacagtgaag tcaaccaaga ctgggattcat      420
cagaggcttc tcatgcttgc tacagagaag c                               480

```

<210> 108

<211> 461

<212> DNA

<213> Homo sapien

<400> 108

```

ccggccgggg aggtccctgaa aacattcaga ctaatcaaaa tggtaactact gtaacttctt      60
ataactacac atataaaaagt ttttgaaaag tatagacaca attaacccct aaacacaca      120
ctattctgatt ctcaaaaagca atggctatctt aacaagatgt aaaaggacaa taacatatca      180
aagaactttc acacacctaa agatagccatt tagcagcag ttagtcagac aaacacacaa      240
caaatacttt cagatttctc atgtttgttc ttaactttac ttcataaagg cactgataat      300
tgaggtttct tccaagtata agatttctaa aattaaaaac tggttttgac atatttttat      360
aaagaaatac aaaggcaaac gcaatccaac ttttttatag agtccctctt ctccaacagc      420
cttagatggg tctctgagta cttttttaca cagaatattt t                               480

```

<210> 109

<211> 441

<212> DNA

<213> Homo sapien

<400> 109

```

ggccggccgg gcaggtctga ttataagaga aagaaatcca gtgacacgag ggcaggcagg      60

```

```

ccccgctctg ctctgatcga gaaaagcttc ctgatgtcag ggagatggaa ctgcaccat      120
cagaaccatg gcacttttggg tgaagggtgtg tcagcgacca agggggcagg aaatgggcag      180
tgactaaggg ggcaggaaac aggcaggcac atggcaaggt tctcccagcc catcagccca      240
gtgatgggct cgatttttgaa gtcgcactac tgtctgaaaa gcacaattac tgggtgactct      300
taacaaaact cagcataactg gggaaggaga ctgtcaagta actgaattgg aaagatgaaa      360
aagaaccatc tctaaaagtc gatgtttgtc agaagaataa cctcctttgt gcaagtcttg      420
caacatcttc attcaaccac a                                     441

```

<210> 110

<211> 451

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(451)

<223> n = A,T,C or G

<400> 110

```

ggctgggggt gaggtctggg gaaggggtga gaatccctgg gccttgccca gctctgagct      60
ctgggtgtct gcagggaagt acagtggtga gttagtgtta aagaaagcat ccagagaggt      120
aagaggggtt tgggttagca cctttgcctc tgtcacttcc gcaaaaactt cttgttgagg      180
aggaagatga gaaggttgac attgaacttg gccttggtga agagtttcat gacagccaca      240
ccttcatact ggagctgcac gagatcctga tagtgaagct tjaaatcgct ccattgtccac      300
accaggaagt ttggcattta cttcaaaact tcttgctcca tctccggggg tgatgtcaaa      360
natgaggtct ctggaagtga gaggggggaa agatcttcaa tttccacca aagacacctt      420
tttcaggtaa gcttgagcaa caagtgtaat g                                     451

```

<210> 111

<211> 407

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(407)

<223> n = A,T,C or G

<400> 111

```

ggcggaggtc cgaactgact tctctngagc agntgncact aacctctctg aggaatggcg      60
actgcagaca gtcggccang gcaagagctg tgcgtcctcg atganattgg naagatggag      120
ctcttcagtc agnttttcat tcaagctgnt cgtcagaagc tgtctacccc agggactata      180
atctctngga caatccagct tcttanagga aagtcactgn cttctgtaga agaaatcana      240
cacanaaggg atgtgaacng tgtttaatgt caccgaaggga aaacatgaaa ccacctctctg      300
ccagatctcg ggaagtttgg tgcagatcaa gcaagaaagt gaagacggct gcattccttg      360
ccttccttga aggantgccc agntcaagaa ganctgtatg gaacct                                     407

```

<210> 112

<211> 401

<212> DNA

<213> Homo sapien

<200>
 <201> misc_feature
 <202> (1)...(401)
 <203> n = A,T,C or G

<400> 112
 tcggggcaga ggtgggcaga ggtctgacat ctgttctctg tgataaccac ttctgtattg 60
 cgtcttaacc attcttgrat tctgttggtt taactgccta agggggcaat gggcagtggg 120
 ccccttttcc ttaggatggg tatcaattca acaatattta taaggcattt actgtgtgct 180
 aagcatttgg aagacccagg ctacaaaata agacatagtt cctgcctccc aggcacgcag 240
 agggaggccc aaatacccag gaattctctga tgggtgtgaa gtgggttctg gggccacaga 300
 aaatgacgtt catggagacc ctgtctaaagg tggacccctg agcccaagg ggtattcaga 360
 agnnggagatg attttggccc cactccataga tgggtggcaa a 401

<210> 113
 <211> 451
 <212> DNA
 <213> Homo sapien

<400> 113
 gtggggcagg aggtccatat taaaaagtcg atcataaaca aagactccct ctcattggtat 60
 gaatatgctt catatgcaca taatgggtga taaggcatt agaaattcca atgagtctta 120
 gggttgaaat ttccaatgac ctgagcgaagg cagctcccta tagcttctgg ataacatttt 180
 acacccagag ctccaggctta aacagaccta tcaacacaaat tattttcgga ttgtctgtct 240
 agaaaaaggg aatgctcaca ggaatataaa taaggggtgg gggacatatg ctccagcctt 300
 ggccttttcc cagtgtgtaa aaaaacatgg aatgggtctg ttaatttttt tttaatcttt 360
 tctgaccttt actatgtttg gtaatggaaa taagtccagg aaaaacaaat gaacaggtct 420
 catcacttaa ttcatactgg gttttcttct t 451

<210> 114
 <211> 441
 <212> DNA
 <213> Homo sapien

<400> 114
 ggcggccagg gtaggtccat cctgtccagag atggggagaag tcacagacgg aatgatggat 60
 acaaagatgg tttactttct tacacactat gctgacaaga ttgaattctg tcatttttca 120
 gacagctt ct ctggtccaaa aattatgcac gaggaaggto agcctttaaa gctacctgac 180
 actaagaggga cactgttctt tacatttaac gtgcctggct caggttaaac ttaaccaaaag 240
 gatatggagg cactgttacc cctgatgaa atgggtgatt attctattga taaagccaaa 300
 aagttccgac tcaacagaga aggcatacaa aaagcagata agaaccgtgc ccgagtagaa 360
 gagaactt ct tgaacttga cactgttgca aagacaggaa gcagccagct ctggggggga 420
 ggaagaaatt aaaaacagag a 441

<210> 115
 <211> 431
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 115

gggggggggg	cagggtccatt	gggggtgata	aaaggaaaag	aagcaaagag	actcagtcga	60
taatggtgat	tagttagaag	aaaggggtag	gattgagaaa	gtaccaggaa	cttttaatta	120
tttaaaagag	aatggtgact	gttaattgtt	taaatcttac	tgttcaaatg	tactaatatg	180
aatttttacc	ctttgtgcat	gaatatttta	aacaactaga	agacctccac	aatttagcag	240
ttatgaaaag	taaaactttt	attataaaaa	ttctaaacct	tactgtctct	ttaccaggaa	300
catgacacac	tatttancat	cagttgcata	cttcgcacat	agtataattc	aactgtcttg	360
ccggaacaa	catctccatc	tggaaagcgt	aagcctttag	aaacacattt	ttctattaat	420
ttctctagaa	c					431

<210> 116

<211> 421

<212> DNA

<213> Homo sapien

<400> 116

gtgggggggg	aggctccagaa	atgaagaaga	agtttgcaga	tgtatttgcg	aagaagaaga	60
aggcagagtg	gtgtcaaatc	tttgacggga	cagatgcctg	tgtgactcgg	gttctgactt	120
ttgaggaggt	tgttccatcat	gatccacaaca	aggaaacggg	gttcgtttat	caccagtgag	180
gagcaggagc	tgagcggggg	ccctgcacct	ctgctgttaa	acaccccaga	catcccttct	240
ttcaaaaagg	atcccttccat	aggagaacac	actgaggaga	tacttgaaga	atttggatcc	300
agcccgcgaa	gagatcttcc	aagcttaact	cagataaaat	cattgaaagt	aataaggtaa	360
aagctaaagt	ctctaaattcc	aggccacggg	ctcaagtga	tttcgaatac	tgcatttaca	420
g						431

<210> 117

<211> 489

<212> DNA

<213> Homo sapien

<400> 117

aggctgggtg	gggcccagggt	aaggctggga	ggctgtgggt	cttgggaaac	tcggaggaca	60
gaggggtaaa	tcacatgaagt	ttgtggatgg	cttgatgac	cacagcggag	acctgttaa	120
ctactacgtt	gacactgctg	tgggcacgt	gttgcacaga	caggggtgtg	tgggcacaaa	180
ggtgaagatc	atgctgcctt	gggacccaac	tggttaagatt	ggccctaaag	agcccttgcc	240
tgaccacgtg	agcatttgtg	aaacccaaaga	tgagatactg	ccacccaccc	ccatctcaga	300
acagaagggt	gggaagccag	agctgctgtc	catgcccag	ccagtcacca	cagcataaca	360
gggtcccttt	ggcagaacct	ccgggggggg	cgttcgaaag	ccgaattcc	agcacactgg	420
gggcgttttt	tagtggatcc	cagctcggta	ccaagcttgg	cgtaatcatg	gtcatagctg	480
gttcccttt						489

<210> 118

<211> 489

<212> DNA

<213> Homo sapien

<400> 118


```

tcgagggggc gcccggggcag gtattgaata cagcaaaaatt ctatatacaa agtgacctgg      60
acctgctggt tcaaaaacatg atccttttctt actaatatct tgatagtcgg tccatagagg      120
attagaagggc aattgaactct taaataaaca gaaaagtgcg taatgcacat taaatgaatg      180
gcctaaactac tgggaacttta gtagttctat aagggtgatta acataggtag gatccagttc      240
ctatgacagg ctgctgaaga acagatatga gcaccaagag gccattttgt gcactggcac      300
cgtgatggca tgggtgtttct ggatcataat gttccattta ttgattcta gacacaccac      360
aggaatatca gtgggggtcag aggttagctt agctgcttgc tgggctagaa cagatatcac      420
tccagcagtc tcatctgaca ggggtcccgcg gcaacccaga ttaagtcttt gtgaatctgt      480
gcacaggya                                     489

```

```

<210> 119
<211> 191
<212> DNA
<213> Homo sapien

```

```

<400> 119
taggttcagc agactttttgg cccaggaggc atatttaactt ttagctctgg acatcattac      60
aaaaagguat atttcccaaa cctcttcaga ccgagaatac atgggtaaaa ttattaaata      120
gttgatcaat aaaaataatt ttttctttaa aaaaaaaaaa aacctcgggc ggcaccagc      180
t                                     191

```

```

<210> 120
<211> 489
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

```

```

<400> 120
gggtgggcgc ggccgaggtc catttaaaaac aaagaaaaat actaaagcca ctagtaaaaca      60
ttcgatgtgc aaaatacaac atctcttagt tggctttatg ccattattac ataagctcca      120
aatagcgaat ctttaattta aaagaaaaag tggctgtccc atctctgtcg cataaatcag      180
attctctctt aaagggttag agtactttta ggaagggaag tccaaaactg ccagtgaat      240
tcacagcgaa tctaaattta gcaatttaac tccccaaagc tctttgaaga agcaagagag      300
ttctctctct taatgcagtg ttctcccaag aggaactgta attctgtctg gtaacttatgc      360
tgggagttat gcaaatgtg ttttccaatg ttgctagaa tataatgggt cctcttcagt      420
gcttggttca tcccggaact catgggttaa gaaggacttc ttggagccga actgcgcggg      480
gggcctct                                     489

```

```

<210> 121
<211> 511
<212> DNA
<213> Homo sapien

```

```

<400> 121
cgagcggcgc cccggggcagc tggccagcgc tggctccgca gacgcagaga tggaggaaat      60
atttgatgat ggcgcacctg gaaagcaaaa ggaaatccaa gaaccagatc ctacctatga      120
agaaaaaatg caaactgacc gggcaaatag attccagtat ttattaaagc agacagaact      180

```

```

ttttgcacat ttcattcaac ctgctgctca gaagaactca aotttcacott tgaagatgaa      240
accagggggc ccacgaataa aaaaagatga gaagcagaac ttactatcog ttggcgatta      300
ccgacacogt agaacagagc aagaggagga tgaagagcta ttaacagaaa gctccaaaagc      360
aaccaatgtt tgcactcgat ttgaagactc tccatcggtat gtaaaatggg gtaaaactgag      420
agattatcag gtcccgagga ttaaaactggc tcatttccttt gtatgagaat ggcataaatg      480
gtaccccttg agatgaaatg ggccctaggaa agactcttca acaatttctc c              541

```

<210> 122

<211> 174

<212> DNA

<213> Homo sapien

<400> 122

```

tcgagcggtc gcccgggcag gtctgcacac agcagaggcg ggccctccgg catcttcaaa      60
gcacctctga gcaggctcca gccctctggc tggggaggcg gtctggggtc tctctcgagc      120
tcggcgagaa agcagatggt attctctctc cggagactcg gcgcgagcca cgt              174

```

<210> 123

<211> 531

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (531)

<223> n = A,T,C or G

<400> 123

```

agcgtgggtc cggcccgaggt cctcaaccaa gagggctgat ggccctccagt caagaaaactg      60
tggctcctgc ccgcagagct ctctcctcgt ccagcaggcg ccctgcaagg gcaggctaaa      120
agacctctcg tgcatacaaa tccatctagc anagagaaaa ggggcactga agcagctatg      180
tctgcctagg gctaggggct cctctgcaga cagcaatgct acaataaagg acacagaaat      240
ggggggaggc ggggaagccc tatttttata acaaaagcaa acagatctgc gcggttcatt      300
cccccagcaa caaaagtaca aaaaaaacaa cgtctgtggc tctgcacag atgggaatatt      360
cctcctctct aanttccaca catgggcggt tgcacatgct gacagcattg cactgggctg      420
cttgctctcg tggctctggc accagtagct cgggcacac atacactctt cagttcccac      480
anggctctcg gctnangggc angctccaat tctcaagcac caggaaggaa g              541

```

<210> 124

<211> 416

<212> DNA

<213> Homo sapien

<400> 124

```

tcgagcggtc gcccgggcag gtccatctat acctctcaga gcagttaaat tcataaattc      60
attcacctcg ccacgaataa atgaatttta aagccctgaa tatcaactaa gacaaattat      120
gccaatctcg atttctcaca tatacttaga ttacacaaa agtaaaagctt agatcgatc      180
attgttcaat gtagacttat ctctaaagtc ttttaattaa aactacagaa gggagtaaac      240
agcaagccaa atgatttaac caaatgattt aagagttaaaa ctcactcaga aagcattata      300
cgtaactaaa tatacatgag catgattata tacatacatg aaactgcact tttatggcat      360
tctaagtaac tcattttaagt acatttttgg catttaacaa agatcaaat caagct              416

```

<L10> 125
 <L11> 149
 <L12> DNA
 <L13> Homo sapien

<L20>
 <L21> misc_feature
 <L22> (1)...(199)
 <L23> n = A,T,C or G

<L00> 125
 agcgtgggctgg cggccggaggt gctttttttt tttttttttt tttttttttt gctattctaa 60
 aggggaagggt ccttttttat taaacttgta ctttttactt tctttctttc anaatgctaa 120
 taaaaaaatt ttgtttatac ttaaaaaaac cataaatcan acaaacaaaa gaaacgattc 180
 caacatcatt tctgggatg 199

<L10> 126
 <L11> 449
 <L12> DNA
 <L13> Homo sapien

<L00> 126
 cgtgggtctgg gctggaggtct agttgctcta agtggattgg atatgggtgg agtggcacag 60
 actgggattgg ggaaaacatt gtcttatttg cttcctgcca ttgtccacat caatcatcag 120
 ccattctcgg agagaggcga tgggcctatt tgtttgggtgc tggcaccacac tggggaaactg 180
 gctcaactgg tggagcaagt agctgctgaa tattgtagag catgtcgctt gaagtctact 240
 tgtatctcgg gtggtgctcc taagggaaca caaatcgtg atttgagag aggtgtggaa 300
 atctgtattg caacacctgg aagactgatt gactctctag agtgtggaaa aaccaatctg 360
 agaagaacaa cctaccttgt ccttgatgaa gcagatagaa tctctgatat gggctttgaa 420
 ccccaaatca ggaagattgt ggatcaaatc agactcgata ggcacactct aatgtggagt 480
 ggaactcgtt 499

<L10> 127
 <L11> 439
 <L12> DNA
 <L13> Homo sapien

<L00> 127
 cgtgggtctgg gctggaggtct gctggaggtct ggagatctga gaacgggcag actgctctct 60
 caagtgggtct cctgacccct gacccctcag cagcctaact gggaggcacc cccagcagg 120
 ggcacactga cactccacac ggcagggtat tccaacagac ctgaagctga gggctctgtc 180
 tgttagaagg aaactaaca agcagaagg acagccacat caaaaaccca tctgtacatc 240
 accatcacta aagacacaaa gtaaataaaa ccacaaagat gggaaaaaaa tagaacagaa 300
 aaactggaaa cttaaaaaag cagagcactt cctctctctc aaaggaaagt agtctctcac 360
 cagcaatcga acaagctgg atggagaatg actttgacga gctgagaaaa gaacgcttca 420
 gacgatcaaa tctctctgag ctacggggagg acattcaaac caaaggcaaa gaagttgaaa 480
 actttgaaaa 499

<L10> 128
 <L11> 449

<212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(469)
 <223> n = A,T,C or G

<400> 123
 cgtggctggg gctgaggctg tttttttttt tttttttttt tttttttttt tgcctgattta 60
 tttttttctnt ttattgttac atacaatgta taaacacata aaacanaaaa cagttagggat 120
 cctctaggat ccttagggan acagttaaagt anaaagaggt ctcanaaaaa tttttttaaa 180
 gtacaagaca tttagngctc ggcccaaaagg cgtaaaaagg ttanagccag canatagctg 240
 nactaaaggc ttgtctctnt tcccanagc caggacaacc ccagggagct atccattagc 300
 agccagtcba cgtaggcagg atgttgcgga aaaagctcta tgcctganaac attccctctg 360
 atggaaagaa gggcaacaca aaaggggtta ctaanagctc ctccctctctg tgagggcgac 420
 aactgaggaa cagaaaaagg gtgtcccatg tcacttttga cccctctcc 480

<210> 123
 <211> 419
 <212> DNA
 <213> Homo sapien

<400> 129
 ggctggctggg gctgaggctc tgattttcat ttaaataatt cagagctata gcatttgctt 60
 ccattgctcaa atccacacca ttgggggctta agcgcctcat gccaacatta gcaaatgaca 120
 tgcagctcaa tctagagatc actgctctctg ggcctgatga tggcaacaca ctggcgctgac 180
 ccagcttatg tgattctctc tccactttag tgggagaatc aatttttact ccaaggcttc 240
 ttagtctgct aaagtctga ttaaggacac aatctttgtc caccagtctt gaatgatgtg 300
 tttctctctt tgnatggtaa acgttttggg tctctgtgca ttcctgactg ataattactg 360
 ccttggtaga cggctgctca agtttctctg gaggaactat ttaataggct gggtacttg 420

<210> 129
 <211> 394
 <212> DNA
 <213> Homo sapien

<400> 130
 agcgtggctg cgtcggaggt ccattctgagg agataaccac atccactaaca aagtgggagt 60
 gacccggag agtaccgtgt ggaattccat agtgggtctc atccctgggc agtttccaca 120
 tgatgatggc ccttatctoga gagggcgaga ggatcatgtc cgggaactgc ggggttagtag 180
 cgatccggat taccacagcg ttgtggcctt tgagggctgc acgaagggtc atctgctcag 240
 tcatggcggt ggtgagagcg tgtgtcctct cagcgacgag gatggcactg gatggcttag 300
 agaaaactgt atcaaaact ctctgcgcgc acctgcgcgc ggggcctgct cgaa 360

<210> 131
 <211> 474
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(474)
 <223> n = A,T,C or G

<400> 131
 cgagcgggcgg cccggggcagg tctgggcagca gcttctctctg gaataattga cagcttttgtg 60
 ctgcctgactt aaaatttgaa atgacaacccg ctgaatgtaa aatgatgtac ctacaatgag 120
 agagattttag gaataactatc tgtcaatcca tagatgtaga aacaaaaaaa actacagaat 180
 gaaaaaanaa ctatttttaa ccaaaagaaa aaatgtatcc aaaatatagt ccattgatata 240
 ttctgattact agtataacca cagttgaaaa cttaaaaaaa aaaattgaca ttttttgtaa 300
 tgggtacttaa tggatttata aaagggtttct gtttccaaaag atgttattgg ggtccacata 360
 ctcttgaag atttcagcat cccaaagccc gacatcagag atactttctt tttagccattg 420
 ntccccgtaa cttgcccact ccattggtgat gtgacaggct tcccttcatt agca 474

<210> 132
 <211> 474
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(474)
 <223> n = A,T,C or G

<400> 132
 gggcggaggtg gggcaattcat gtggaggtca gagtgggaagc aggtgtgaga ggggtccagca 60
 gaaggaaaaca tggctgcccac agtgtttgag tccattggca agtttggcct ggcttttagct 120
 gttcgaggagc gggctggcgaa cctcgcccta tataatgttg atgctgggca cagagctgtc 180
 atctttgacc gattccgtgg agtgtaggac attgtggttag gggaaaggac tcattttctc 240
 atccgtggg tatagaaaac aattatcttt gattgcctgt ctgcaccacg taatgtgcca 300
 gtatccactg gtatcaaga tttacagaat gtcacacatc cactggccat cctcttccgg 360
 cctgtggcca gcagcttctc tgcctctctc accagcatcg ganaggacta tgatgaacgg 420
 tgtgtgcccg tccatcacaa ctgagatctt caagtccgtg gtggctcgtc ttga 474

<210> 133
 <211> 387
 <212> DNA
 <213> Homo sapien

<400> 133
 tgtctgagcgg gcggccagtg tgatggatat ctgcagaatt cggcttagcg tggctcgggc 60
 cgaggctctgt gggccccccta gcttgccctg cttccaaagg acggccatct cagttagggga 120
 cttcccccac ctgtgccttt aggatcagcg tgacagagta gaagctggag tggctcacc 180
 caggccctggg aaacagcggg aagtaactgg aaagagcttt aggcacagctt agatgcccag 240
 tgggggaatg ccagaccaat gataccaga gctacctgcc gccaaactgt tgagatgtgt 300
 gtttgactgt gagagagtgt gtgttttgtt gtgtgttttt ccattgaactg tggcccagct 360
 gtatagtgtt tcaagtggggg agaatg 387

<210> 134
 <211> 401
 <212> DNA

<213> Homo sapien

<400> 134

```

ggcgcgcggg gtaggtctga tgaagaacac ggggtgtgac cttgcacatg acgcacatgc      60
tgagcggctc aagagtgttg tgggcaactt gcacggctg ggagtcacca acacattat      120
cagccactat gatgggcgcg agttccccaa ggtgggtggg ggctttgac gagtactgt      180
ggatgctccc tgcagtggca ctggggctcat ctccaggat ccagcgtga agactaaca      240
ggatgagag gatctctgc gcttctgtgc acctccagaa ggaagttgt cctgagtgt      300
attgactctt gtcacatgga cttccagac agggagctac ctggtttact gcacctgtc      360
tatcacagtg agacctctgc catggcagaa caggggaagc t                               401

```

<210> 135

<211> 451

<212> DNA

<213> Homo sapien

<400> 135

```

ggtcgcgggc gaggtctgtt cttgagaaca gctgtgattg gaattacag agaggacac      60
taatgtgagt gaggaagtga ctgtatgtgg atgtggaga aagtaagta cgtgggcct      120
tgaggacttg gactgggtta ggaacagttg tattttcaga ggtgaggtgt ccagaaggga      180
aagtgaatgt ggtctggagt gtgtctttgg ctttggctc acaggggtgt ctttctctg      240
gggcgttag ggagctcat ctttctgttc tgcagggtg ggtacggg gtttgacact      300
gaggagggta acctgctggc tggagcgga gaaacagtg cttgatttgt cttttggaag      360
attttaaaaa ccaaaaagca taaaacttct ggtcttccac aatgcttct ctgaagaaat      420
acttaacgga aggaacttct catteacat t                               451

```

<210> 136

<211> 411

<212> DNA

<213> Homo sapien

<400> 136

```

ggcgcgcggg gtaggtctga atcacgtaga atttgaagat caagatgatg aagccagagt      60
tcagtatgag ggttttcgac ctgggatgta tgtccgcgt gagattgaaa atgttccctg      120
tgaattttgt cagaactttg acccctttta ccccatctc ctgggtggct tgggcaacag      180
tgagggaakt gttggacatg tgcagggtgg tccctttgt ggtatttg tgcctgaggc      240
ctgtgggtt tccctccat caatcatct accctctcat cccctccaga tgcgtctgaa      300
gaaacatct tgggtataaga aaatcttcaa gtcccaagat ccaatcatat tttctgtagg      360
gtggaggaag ttccagaaca tctgtctcta ttatatcca agaccacaat g                               411

```

<210> 137

<211> 211

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(211)

<223> n = A,T,C or G

<400> 137

```

gggagggggg ggcagggtcgg ttgggtggggc ctccattgtt cgtgttttaa ggcgccatga      60
ggggtgagag aggcgggtggc cgtgggtgggc gctttgggttc cagaggaggc ccaggaggag      120
ggtcaggggc ctttgcacca catatcccat ttgacttcta tttgtgtgaa atggccttcc      180
cccggttcaa gccagcactt cgatgaaact t                                211

```

```

<210> 138
<211> 471
<212> DNA
<213> Homo sapien

```

```

<400> 138
gggggggggg cagggtctggg ctggggagctg gcattcaggc cgttaactgca aatctatgct      60
aggggggggtc tcccttctgt gtgttcaagt gttctcgaat tggattctta actattttta      120
aaaatgcactt gaggtttgggt taaaaaccaa ccaccaaaat ggatttcaac acagctctaa      180
agccaaagggg gtgggggggt ctcccaacac agcgactcct ggaggccagg tggccatggg      240
cctacatctt ctctcagcac tgaacagtga gttgattttt ctttttaca taaaaaaagc      300
tgagtcaatat tgcattaggag taccagaaa ctgctcattt ggaaacaaaa actattttac      360
ttaaataaaa agcctgggcg caggctgggt ctggccattt tacaggcagg tgggatgcac      420
acgggtgaca aaccacggag gcaagcttct ggcactcaca ccacgacccg c                                471

```

```

<210> 139
<211> 491
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

```

```

<400> 139
gtgggggggg aggtctgttc tttagctcag atttaaacct gctgtctctt ctttatttgc      60
agaatgactt ccaggttctt gaggagttca agacccatg gaacggggag aagtttgtca      120
ccacagtcat agaaattggt ggataagcga agtggcactg ggttctttgc cctccttcca      180
caccatgggg taaatctgta tcaagaaggt cctttcttag atttctctta cctttttgct      240
cttaaaactg ctctctctgt ctgagaagca cagctacctg ccttcactga aatatactc      300
aggttgaaa tgggggtggg ataggaggt agttgatctt ctgcagggaag gtgcagcttt      360
tccatctcag cttaaccac ccgcacgtcc attcttaagg aactggcgac taggactgat      420
gatgcatttt agcttttgag cttttggggg gtattctacc aaccaacagt ccatttggaa      480
a                                481

```

```

<210> 140
<211> 421
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

```

<400> 140

```

gtcgcggggg aggtttccca ttttaagaaa atagatcttg agattctgat ttttttccaa    60
acagtcctct gcttcctagt acagcttttt ctttaacctt cccaaaattc tggccttgaa    120
gcagtttttt tctatggctt tgcctttctg attttctcag aggtctgagt ctttaatatc    180
accccaaatg aaagaaccaa ggggaggggt gggatggcac tttttttgt tggctctgtt    240
tcgttttctt ttttggctgg tgggttccg ttatttttta agattagcca tctctctgtg    300
ctatttctct acataatgtc aatttttaac cataattttg acatgattga gatgtacttg    360
aggttttttt gntttaattg agaaaagact ttgcaatttt ttttttagga tgagcctctc    420
c                                           421

```

<210> 141

<211> 242

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(242)

<223> n = A,T,C or G

<400> 141

```

cgantngccc gcggggggan gtctgtctaa ncttntcang gaccacgaac agaaaactgt    60
gcttcaccca anactaatat ctttaaacac gaanaattta aatattatga aaaaaaacat    120
tgaaaaatat aaaataaata nnaaaaggaa aggaacttc gaacttatg tactgagcaa    180
atccaggtct agcaaacagt gctagtctta nattacttga tntacaacaa cacatgaata    240
ca                                           242

```

<210> 142

<211> 551

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(551)

<223> n = A,T,C or G

<400> 142

```

agcgtggctg cggcncgang tccacagggc anataattct ttagtgtctg gaattaaaat    60
gtttgaggtt tangtttgc attgtcttct caaaaggcca aataattcan atgtaaccaa    120
accaagtcca aactgtgtct tctatttcca cgtactgttg tccatacagt tctaaataca    180
tgttcagggg attgtagcta atgcattaca cagtcttcca gtcttctctg cagacacact    240
aagtgatcat accaacgtgt tatcactcca attagaatat aataagcttc aatctgaggg    300
caagtcacgt ccttacaataa gggcaagttt gataaataga ccttcgatca attctctctc    360
caagggggcc gaactaggc tattattcat aaaaacacac tgaanagggg attggcttta    420
ctggtaaatc atgngntgtc aaatcatttt ctgaacagtg ggggtctaat cactcattga    480
tttagtggca gcaactgccc cggcgggcgn tgaagacca attctgcaga tatccatcac    540
actggcggcc g                                           551

```

<210> 142

<211> 515

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(515)
 <223> n = A,T,C or G

<400> 143
 cgagnggggag ggggggggag gtatcttcac aaactcaaca aaggcaactac atgagacttc 60
 acattccctat agtccaatag ctgacaaaatt ttgcaacggt tctgcaatgc gaattaactc 120
 ttcataaagt gggcgtaata catttgcaca caataactagt tcaaccagtc tagggcatgt 180
 cattcccaaa cgggcaagca catcttttgt tactgatctc ccaaagtaca gatgggtggc 240
 aggtatttca tagcgaaaga aggggtcaaa tctttcttca tataanaaaa aatacatcac 300
 taagttcaat ttgggtgaat gtctgatgaa agcatccag ctactcttct gaatagtatg 360
 gaagtgtgtc tgtccaggat tctcactgac tacatcaatg cgcaaatgtt ctaatcgaac 420
 atgtttttca gaagacaatg caagtaacaa ctcatcactc aataagtggg aagttcaggg 480
 ctagtctctc taagccgga cactgatcag cacac 515

<210> 144
 <211> 247
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(247)
 <223> n = A,T,C or G

<400> 144
 tgcattctct ntggatgcac acctgcccgt tggtagggac tntgctcaca cggaacatgg 60
 abggttaaac ctgtgcgcgt ggtgacgtcc accagcttct ggatcatctc gggnggggtg 120
 ttgtggaggg gcagactatc caactccatg cncacgatgc ccganaagcc actccggact 180
 ntgtgctgca ccaanatgac cagcattnta tcttcaagca nagcatttat cagggtctct 240
 ggcacac 247

<210> 145
 <211> 309
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(309)
 <223> n = A,T,C or G

<400> 145
 cgtggggtcac gggccgangt ctgctgtaac aaaacacccat agtctgggca gctcatagac 60
 aatggaattt tatttctcac gcttctggag gctggattcc aagatcaagg ttccaggaga 120
 ctcaagtgtc ggcaaggtct cggtttctgc ctcanagatg gtgcatctg gctgtgtctc 180
 cacaagtagg aaggtgcaag aagctccct caggctctgt ctgtaagaca ctgatcccat 240

```

tcatgagggg gaaacgtaat gacctaataa gggggagag aacccacttc taacaccatc 300
accttgggg 311

```

```

<210> 146
<211> 486
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = A,T,C or G

```

```

<400> 146
agcgtgggga gaggacagac gtctgtgaca tatttcacag ccggagaact aatacaagat 60
gtcgacat ta tatttctgac ctacaactat ctctctanacg cacaataaag ggaaagtatg 120
gatttaaaat tgaaagaaca ggttctcatt ttanatgaag ctacataaat cgaggactgt 180
gtctggggaat cagcaagtta cagtgttaaa gaagttcaga ttgggtttgc tggggatgaa 240
ctanatagta tggtcaacaa taatataagg aaganagatc atgaacccct acgagctgtg 300
tgctgtatpct tcatctaattg gntagaagca aacgtctaat atcttgnana angagantat 360
gaatcagatg gtaaaatatg gaggggaaat gaaatctctt taactttaca caaaatgggt 420
atcaccatag ctacttttcc catttttgng gtaagatata tttctaccc gngaaaagta 486
tttaag 486

```

```

<210> 147
<211> 470
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

```

```

<400> 147
ggcggccggg cangttcgac attatnnga gttccatgat gtacaattct ttacagaaaa 60
acaatgagag caagaatttg aggatctctt tactccctcc ttttacagat ggtctctcaa 120
tcctctctta ttctctctca tcttctatct ctctctgaacg cgtctggcggg taccacggct 180
ttctctgctt ctatcttgag atgaaggatg tctctctgtt tctctctaca taactgaaga 240
aatctctgng caagctctct gattggctgt tctctctgct tctctcttnt gtcaaaacng 300
agtctcttta cctctctgac ctctctctca cagctctctt atctggatgt tnattctctc 360
aagggtctta tgaggaaact ctctgatctc atgtctgana gcactgtgaa gttctctctt 420
cattctg 430

```

```

<210> 148
<211> 443
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

```

<222> (1)...(483)

<223> n = A,T,C or G

<400> 148

```

ccccggggcagg tctgtgttgn ttttcaacccg gtgtctctccc cagcgtccag aananggaaa      50
tgtggagggg gtgatgatga cccctcctgt tctgtctaac tctgtccacag cttcgtatgt      100
gggtctgtgtc tgggaaccacc cgtacaggtt gtgcacgttg tagtgcctca cggggggagct      150
gtccggggagg abctgtgtgac tctccatgca cagagctctt ctgtctcagga ccttgtccct      200
agattccaaa tatggcatat aggggtgggg tatttagcat ttcattgtgt cagccctga      250
cagatccatc caccaaaatt gatggctcat tcatatcaat ccacaattca tcaaaacttca      300
agctctctct tggntctcga nggttttgc atgaactctt tatctcttct tccaccaccg      350
canaccttgg ncccgaccac gctaagccga attctgcana tatccatcac actggggggc      400
gct                                         483

```

<210> 149

<211> 439

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(439)

<223> n = A,T,C or G

<400> 149

```

ctttccaggaa nacaatgaat gcaagaatct gaggatctcc ttactctctc cttttacaga      50
tggctctctca atccctctctt ctctctcttc atctctctct tctctctgaac ggcgtgcggg      100
gtaccacggg tttcttttgc tttatcgtga gatgaagggt atgtctctgt ttctctacc      150
ataactgaag aaatttctgt gcaagctctt tgaactgggt tttctccgac ttgcctttt      200
tgcaaacgtg agtcttttta cctccatgccc ctccagcttc acagcatctt catctggatg      250
ttcattctct aaagggtctc ctgagggaac ttctgaactc catgtctgaag aagcactgng      300
agtctctctt catttctgtg aaantctctt ttgtctgggt gngctctcag accaccctt      350
tggctgcatg ggggtctgac                                         439

```

<210> 150

<211> 578

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(578)

<223> n = A,T,C or G

<400> 150

```

ggcncggccc gggangtcca ctccactttt gagetctgag ggaataacct caggagggac      50
agggtccagg agtctctgga gctccgcagc agagattcac attcattcag agacttgttg      100
tcagtgcaa tgcattgat ccgaacgatt ctgtctctca cagcaaggga ccttctttta      150
ggggcagggc ttccaggcag cacagcggca gcatacact cattctccag actgatgcca      200
ctgtctttct gtccactgan gttgatgtgc agggggtgga ccaccttccc acccagggac      250
ttctctccgc gacgacat gttgatgggc cccctnccca ttgaggagcg ccttgatggc      300
                                         360

```

```

ctgctttcttgg nctttgggtga tgaagtcac atcgggtgatt ctccacagcca gtcattgacc 420
cttaagcgggn cctcagcaat gcttcctttg gccacttttag ngacaaatat gccacagtc 440
ccggggaaca agggtcattc acacctttctg gcatacaaaa cacttcggcc gggancacta 540
agccgaattc tgcagatata cctcacactg gngggcgg 574

```

```

<210> 151
<211> 503
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(503)
<223> n = A,T,C or G

```

```

<400> 151
cgagcgggccc gcccggggag gtctggggaga tcagcgactg ctgccacgtg cccagaaatg 60
gcttcgtctctt cactacagc ggaatgcaat gagggtgggt gagaagatga tgggtcgggt 120
atttcatttt tttctctttt acaacttcac ttccagagac ttccagcgtc catgtctgt 180
gtgctgngga acccagagtg ctcttgccctg gatggctgag aatcccttgg accctggaag 240
cacttacttc atgatggccc ggtatagtgc aggtcaata taatcttccc ggtatcttga 300
gctgataact cgttcgggtt tctttctctg cttaacctct ttctctgtga aaatctcatt 360
gaagcgcctg tctgaagcta ctgacagtc anatttgact ctcttgggaa gctcttcatt 420
cagctgctat acatcatttc tcttaaccac aagttggagc catncttaaa ctccacttgg 480
cacatttggg tagggctggga ggc 503

```

```

<210> 152
<211> 553
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(553)
<223> n = A,T,C or G

```

```

<400> 152
agcgtggtcg cggcccgagg tccactgagc tccgccttcc cggggctccc tgaggaagca 60
gagtcctgac tccaggaag gacaggacac agaggcaaga actcagctcg tgaggctctg 120
ggtggtctct gaggcagag gacgccttcc ggcattccatg gctcagcatt gtccttctgg 180
cttcctagct cggggccgaa cgttcgggtt aataagcaga gcagttattc ggtcctcggc 240
aggagcttcc cgttagctt ccaagtgttg agcacattca tacttaagac tgnctctct 300
tgtgtctaa ggtctgtct ctgtagttaa cggaaatgtt aacagaaatg cagacctgcc 360
cgggcggctg ctggaaagcc gaattctgca gatctccatc acactggcgg ccgtctcagc 420
atgcatcag atggcccaat tgcctctata gtgagtcgna ttacaattca ctgggcgcgc 480
ncttactaat tctgtaactg gaaaacctg cggtaacctc ttaatcgct tgcagnacat 540
ccccctttcg ora 553

```

```

<210> 153
<211> 454
<212> DNA

```

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(454)

<223> n = A,T,C or G

<400> 153

tggagcgggt	cgcccgggga	ggtcaccta	gcattggtcc	tctaaacacg	caactcagcg	60
aggggaaccc	cttcacctct	ggcaagagag	ctgggttagat	cagaaacttg	gtgacacctg	120
gctagcagag	agtaggctca	cttgtcttgg	tcctattacc	cagattctcg	cagacattgc	180
aaaccaaatg	aagggttgntg	aatgacccct	gtccctagcc	acttggtttg	gtatcatctg	240
ctctgcagng	gaatgcctgt	gtgtttgagt	tcactctgca	tctgtatatt	tgagtataga	300
aaacgantca	agtgatctgt	gcatncagac	acactggggc	acctganca	agaacaaatc	360
accttaacga	tctggaatga	aactgnganc	antgcctgcc	tgggtgggtc	tgganaaaat	420
gcgncctct	tgttggacct	tggccgcacc	acct			454

<210> 154

<211> 596

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 154

agcgtgggtcg	cgcccccagag	ggggcctcct	gantganggg	aagggacgtg	ggggcggcca	60
cggcaggatt	aaacctccatt	tcagctaata	atgggagaga	ttaaagtctc	tcctgattat	120
aaactggttta	naggtacagt	tcctcttaaa	aagattattg	tggatgatga	tgacagtaag	180
atatggctcg	tctatgaagg	ggggcccccga	agtatcaggt	gtcctctcat	attcctgccc	240
cctgtcagtg	gaactgcaga	tgtcttttct	cggcagattt	tggctctgac	tggatggggc	300
tacgggggtta	tcgcttttgca	gtatccagtt	tattgggacc	atctcgagtt	cctgtgatgg	360
attccacaaa	cttttanacc	atttacaatt	ggataaagtt	catctttttg	ggcctctctt	420
gggangcctt	ttggcccaana	aattttgctga	atacactcac	aaatctctca	gaagccattc	480
cctaatactc	tgaattctct	tcagngacac	ctctatcttc	aaaccaactg	gaactggaaa	540
agctttgggt	gattgcctgca	tttatgctca	aaaaatagtt	cctggaaaat	ttcctc	596

<210> 155

<211> 343

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(343)

<223> n = A,T,C or G

<400> 155

ctcganttgg	cncgcgcggg	cangtctgcc	tgggttttga	cngngcagac	tatttagnet	60
------------	------------	------------	------------	------------	------------	----

```

ctgggtctgtg ttccgggagct caaggnaaaa atcttgaana attcgagcag cttctgtgga      120
tagccttggg tagacatact gcggagcata gccaatgtac tttctcaata gctgggtggg      180
aatgggatct attgtttctc baggaaccac ctttagtctt tctgataatg gcttctcaga      240
aactacttca agtaagggaag tatttgaatc ttgactatnc atacgagcta ctgtggcact      300
gctaattgggn tctctgtctnc ccagctctta ttgcaatcac atg                               343

```

<210> 156

<211> 556

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(556)

<223> n = A,T,C or G

<400> 156

```

ccgagcggg cgcgcgggga ggtctgggac caccagatc gattaactgg ctcctctgat      120
ctcgggggga ccacccctgga actgacttag cacaaaagga cactcgaatt ccttatgatt      180
ctctcttggc cccaaaccaat caacacccctt gactcactgg ccttccccct cccacccaat      240
tatcctttaa aactctgac cccgaatgct caggagatc gatttgagta ccaataagac      300
cccagctctc tgcacaagca gctctgggta ccttccctct attgcaattc ctgtcttgat      360
aaatcggctc tctgttaggg ggggaagaa tgaacctgtt gggcggttac caactctgtc      420
gtgtctgaca gttgntttga atctctaatt gctcagtcac gatccacatg cagggttaagt      480
aagaagcttt tgaagaaaaa ggaaagtctt aagtgatggc ttccaagaaa tcaaacctac      540
attaattagg gaacaacgga ctttaagtat cacaatgaa gagactgaac aagtaaatca      556
acttggcctt tctctta

```

<210> 157

<211> 333

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(333)

<223> n = A,T,C or G

<400> 157

```

ggtcacaaaa aatatatnaa ataagctgga tatataaaan caaacactta acatngncan      60
cattccttca gttattcaaa ctcaactgata nctaaacggg agnagttggc attctgggaag      120
acttcttaag ctaaaagtat attacatat ttacaacaca ngtaaatata acngaagaac      180
tacttcaac* aannngaaa ttccagaatt ctanagattt atagttatag ntnacaanta      240
tcaccaatcg gttcgcaatc aanngcacag cactacttat gannaangtt taactannaa      300
accaaaaagg gagaaaaact ggnagggaac nat                               333

```

<210> 158

<211> 629

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 158
 ttgaggggac ggggggggag gtctgggtaca tttgtggagag gtccgggaact ctgtttctcat 60
 ccagtaagtg gtccagagccct ttctgcagaa ttgctgttaa atgtttctct aatagctgtt 120
 tctccacaca agcaatcagt ggtttctgtg tgggtgggct caagtaagtg attactctgt 180
 ctctctctct ttctaagcgt ttacttacat gggttaagata ttctggaaac tctctttctt 240
 gcattaaact ttggcctctg gcagcatata agcaattagt ctcttccaaa aatttcagtt 300
 caaatgaabc ttatataacc tgcaggctcag acagcatgac caggncaggt ccgcaacagg 360
 ctccgggtca cggcctctgc gctctctctg cgttcgatac gcagtaggat tccatcaatg 420
 gttttactct gaaccatttt atacttaata atatgggttc taaacagttc taatcccata 480
 tccagatgg agggcagcgt ggagttctgc agcatatagg tggggtccaa gaacaggaag 540
 atggttctga tcatgaatca ttgctctggc aatggctctg ccagcagctg gtaatcttct 600
 ttttaaaaaa aaacccctat ctaaaagtc 629

<210> 159
 <211> 629
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 159
 ttgagggggc ggggggggag gttctagagg ganaatctgg ctgatttggg aataaaatat 60
 aatcgaatat tcaacacccat gaagataaat ctatttttgg aaatctactg accttaatac 120
 cccaagcttg cccctgaatac ttctgattgga atgggaatat atcaaaaaag gttagttatt 180
 ttgttctagt taggatacta aaaggatatt agttacccaa gagatccaat ttgtttttct 240
 gatgaatagt gttccagttaa atgaagcagt cttcaagagt actaataatt tcaaaagtga 300
 tttctgtctc ttcttaatat tttttaatta ttatttttta agagttttat accttgagca 360
 gatacaatga tccgttttag tgagaggaca atttctgatt gattgttttc tcttcaggcc 420
 atctcaccgc ttctattctc tgttacattt gaagcagttg atataatggg ttatatactt 480
 aaaagataga catggtgcca tgaagttttg ggaagtggg tgaattatcc cattctagtt 540
 acagangagg ttctcttaaa tgccttttac ttctangttt ggtcaagaag tcatcttctg 600
 agtaaaagtct attttcatat atgttgggg 629

<210> 160
 <211> 519
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(519)
 <223> n = A,T,C or G

<400> 160

tggagcgggg	cgcccggggca	ggctctgctgg	gattaatgcc	aagttnttca	gccataaggt	60
agcgaaatct	agcagaatcc	agattacatc	cacttccaat	cacggcgggt	ttgggtaatc	120
cacttagttt	ccagataaca	taagtaagaa	tgccactgg	gttggaaaac	acaattatga	180
tgcaatcagg	actgtacttg	acgatctgag	gaataatgaa	tttgaagaca	ttaatatttc	240
tctgcaccag	attgagccga	ctctcccttt	cttgcctgag	gactcctgca	gttaccacta	300
caatcttana	attggggggg	ccacagaata	atctttatct	gccacaattt	taggtgctga	360
agaaataagg	cccatgctg	cagatccatc	attcttctct	taagcttata	ttccaaaaaa	420
tcacacaagan	caangttcat	cagccagaga	ctttccacga	atgctgatag	nacacgcat	480
accaacttgt	ccaacandca	ctacagcgat	cttatttgt			519

<210> 161

<211> 446

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(446)

<223> n = A,T,C or G

<400> 161

cgagngggcc	gccccgggag	gtccagtaag	cttttnaaga	tjatgggaaa	ggctatgcaa	60
ggccccaggg	gtacaaagg	ctgtttctac	atcatttgta	ttctgcctgg	taagtaaat	120
agcagacacc	atctgaggag	aaagcatgat	agcgtgctg	gaagcttctt	ttttagaaag	180
ctgatggacc	ataactgcag	ctttattaac	caccacctgg	ctctcgctat	ttagpagttt	240
tgccagtcca	gggattgcac	ggctggcgag	ttctgcctca	ctctgatagt	taatcaagtt	300
tacaactggc	atgtttcagg	atctggcgatg	ggctcagcaa	acgctggaca	ttantgggat	360
gagcagcatc	aaactgtgta	natgggactc	gcctgccttc	atctaatgtc	tcagggaaca	420
tagcagctgg	tacctctgta	gctcga				446

<210> 162

<211> 354

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(354)

<223> n = A,T,C or G

<400> 162

aggctngtgc	cgcccgagag	ccctggggaag	ctttnttgc	tjagccctac	agcctctgtc	60
aggcggctgc	ggatccaggg	gtccaccagg	ctctccatggc	ctccgggctg	ggagnggggt	120
gagggcamaa	aaaccttccc	aaggccacga	anggcbaact	tggtggcatt	ccanagcttg	180
ttgcanaagt	gggggnaacc	cagtatccgg	ttccatccca	ggntgatgtc	acgacctgg	240
gacatgtang	ccataatcc	aaaccggaga	gcctcgggtg	ccattccag	aatccccgt	300
gggaagtccg	ctttctgccc	ttctttggcc	ttctccact	cgctgggata	cagg	354

<210> 163

<211> 258

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(258)
 <223> n = A,T,C or G

<400> 143

tttttcttca agtctctcttg cctnggggac tngactgcac tttaagacac ttctaattag	50
ttataccag ggcctgcaca attgctgggt ttatataata tattcttctgt gcacgaagat	100
ttattatctt gctggatgat tctatctttaa ttntatttat tctgggcaca aaagaacctt	150
ctccgtctgt cagcagangc caatntgtct tgaaggacaa gagaaagatg ctaacacaca	200
ctttctctct cctgagga	258

<210> 144
 <211> 2+2
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(282)
 <223> n = A,T,C or G

<400> 144

ggaacatatt acttttaaat tacttgggtc aatgaaacat ttaataaaaa catttgcttc	50
cttatataat aggtatgtat aaaataagcc ttttcanaaa ctctgggtct cataatcttc	100
tataaatcan atgtatctgac ttctaagagg aacaaattac agnaaggggt atacatttat	150
gaatctgggt agtactagag ganngaacct aaaccactct actaccactt gcggaaactct	200
cacagggtta atgacaaaagc caatgaactg ctctaaaaac aa	242

<210> 145
 <211> 462
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(462)
 <223> n = A,T,C or G

<400> 145

gcctggggcan gctctgtaat cccagctact cangangctg agtcatgana atgctctgaa	50
tcctgggaggt agaggccgca ggcagcaaac attaagccac tgcactccag tctgggtgac	100
agagttagaa tctgtctgtt gctctctctg cattgggtct aaatgggttt gtagaacatg	150
ccacagaagg accagcaca gcaacaaatg gatttctgga angcgtagct ccaaatggag	200
cangcacact tgatgaagca cgtctgtctt gtgcagangc aaccactggc actgttccaa	250
aaacattgct gctagcatta ctctgtggaag tatacgcatt actggaggtg gctgcanaac	300
tgaaaacgct gctagttctt ggcanaagct cataactgnc tgaanatgca ctgactgac	350
tgaggaaactga accacanaac caacaggacc tttacctgtg ga	400
	462

<210> 165
 <211> 365
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(365)
 <223> n = A,T,C or G

<400> 166
 cgtgggttgg ggmgcggagt ctgaaaccaa tccagaasta aacatcagca cacaaaaaat 60
 accaggatag atgggaatcaa aagactctga agcaaaaagg aggcctagga gagcaactga 120
 acctagcaag ctgagggaatt cagtgtccat caccagatcc tgcctgttaa caacaggtct 180
 atatgataga gatattccat ctgagctgga ggcattatc cttagcaaac taacacagaa 240
 cagaaaaaa aatccatgtt ctcatctaga agtaggagct aaatgatgag aactcaagga 300
 cacaaagaaa ggacacaacag acactggggc ctacttgagg gtggagggtg ggaggaggga 360
 gaaga 365

<210> 167
 <211> 364
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(364)
 <223> n = A,T,C or G

<400> 167
 agcgtgggtg ggmgcggang tccagcccta gcttgccctg gactccgccc tcaactgggtg 60
 ctctctctaa aagttgctga ctctttactg tatctcccaa tcccaactcc atttggtcca 120
 taaggggagg ggtgtctccg tcaacatggt gtctctggta ccaagaactg gctgacgaag 180
 ctgggtgaaa tggctccatg ctgtaatccc agcacttttg ggaggccaag aaggggggat 240
 caactgaggt ctggagttca agatccagcc gaaccaatg atgaaacca gtctccacta 300
 aaaatataaa acaattagcc aggcctgggt gtgggtgccc gnaatcccag ctactgggga 360
 ngct 364

<210> 168
 <211> 447
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(447)
 <223> n = A,T,C or G

<400> 168
 cccgggcagg tcaaaaacca aaacttttca ttttagccca aaccagctca tgattaggta 60

```

tacaaggata acagaaccag ttgtcaggac gageatttga caagtaaaaag caattcttgc 120
aaagctgacg ttcattccagc tcatgggcatg tgtctttata tagcatcttc gcaatgtcag 130
cttctgcact gtctgtcca tagaaaatca cggctattgtg gagaagcaat tgggcacag 240
ctttgaactc ttcataactt cggctatttc cttcattcac tttctcttga atggtgggaa 300
cgtccacaga cctcgggcgc gaccacgcta agcccgcaat ctgcagatat ccattcacact 360
ggcggcgggt cagagcatggc atctagaagg cccaatttgc ctatagngag cagnattacc 420
aatccactgg cggctcgnntt acaacgc 447

```

```

<210> 169
<211> 524
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(524)
<223> n = A,T,C or G

```

```

<400> 169
cgantngggg ggcggggcag gtctgagcag cctttctggn tgotggacta ttgggattgg 60
gttcacccca cagagactgt atggatgtta gaatgggaag cacatcatag gttggactcc 120
aacggcttng aagtatgtcc agacatatac taccatctgc atagactaag aacaaagaag 180
taggtacatt aakcgtaaca agaccactaa ggttttaaca ttatagacaa aacanaata 240
gtcaagantc ctttctcttt gaagtttaaa gattctatg ttgcttcca gtttaactgc 300
taaaaagatt agncataaac accactagtg aaataatcan gatgatcaga gaatgcana 360
tgtgatcagt ataaaactgg angatattna gtgtcactct ttggaaaagg ctgcctatn 420
atccagg (44) tcanaaacat tnttgaacag ggnccttagc tatccacaga catgtgggaa 480
attcatttcc caaatngtag gtctggatccc ctatctgaaa taac 524

```

```

<210> 170
<211> 332
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

```

```

<400> 170
tcganngggn cgtccgggga ggtgacaaa cctgtattga agatgttggg tctgatgagg 60
aanaanaatc gacgggatgg tgacaagaan aanaanaaga agattaagga aaagtacatc 120
gaccaag (44) agttcaaaa aacaaagccc atctggacca gaaatccaga cgatattact 180
aatgang (47) acxgagaatt ctataanagc ttgaccaatg actgggaaga tcaattggga 240
gtgaagc (47) tttcagttga nggacajtg gaattcagag ccttctatn tgtcccagga 300
cgtgtctctt ttctctctgt tganancaga aa 332

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```

<210> 171
<211> 334
<212> DNA
<213> Homo sapien

```

<220>
 <221> misc_feature
 <222> (1)...(334)
 <223> n = A,T,C or G

<400> 171
 cgagngggnni gcccgggag gtctgttgat agcgacttaa cagaaaaagtc tagacaaaca 60
 taagcattaaa aaattacagt cttcttacct tgggaatgg ggagaaaaag gaattctctac 120
 cccaagaccca gaaataataa gtctgttttc tggctctgaa catccagaat tatggaggct 180
 ttggctctgac accacattan aatttggctt ggaaatcaca ctttaganac angagatcgt 240
 aagccatttt atactataga cctaaatttc agtctaacgg ttcctttaca aagttgcgga 300
 aagccctttt atatgctagc tctaggaaat atag 334

<210> 172
 <211> 434
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

<400> 172
 agcgtggctcg cggcccgang tctgcttata aaactagaat tctgagctcg ggcctccagct 60
 tcaattctcac aggtcacat cctcatccgg gagagcagtt gtctgagcaa cctctaaagtc 120
 gtgctctatct tctgctgcaa aagctgggct catgacaact tctggtgggg cgagagcagg 180
 catggcaaca aattccaaagc tagggtcttc aatgagcttc ctaggcaagg agaggaaggc 240
 cctctccaaag tctagcttac tcttggcaga aatgtcttag tcttgaagat tctcttttctg 300
 gtggaaagaca atggattctg ccttcacttc ctgccttaac atccactttg gtgcacacaa 360
 acacaatggg gatgntttca cacaacttngn accaatctc tatgcacagt aggcatttt 420
 ggaagnattt cgaaggctac 439

<210> 173
 <211> 539
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(539)
 <223> n = A,T,C or G

<400> 173
 cgaatggccg cccggggcag tctgttaaaa naggaaattc agacatcgtc cgactcgtaa 60
 ttgaatgtgg agctgactgc aatattttgt caaagcaca gaatagtgc ctgcactttg 120
 cgaagcagtc taacaatgtg cttgtgtacg acttctgtaa gaaccattta gagacacttt 180
 caagagtagc agaagagaca ataaaggatt actttgaagg tgccttgcct ctgtatagaac 240
 cagtttttcc aatgcctgt catcgactct gtcagggctc agatttttca acagatttca 300
 attaccaacc cccacagaac ataccagaag gctctggcat cctgctgttt atcttccatg 360

```

aaaatttttt gggttaaagaa gttatttgcct ggctctgtgg accgtgtagt gtacaagctg      420
tagttctgaa tgataaattt cagcttcttg tttttctggg tcttgctctg ttgtccaggg      480
tggagtgcag tgggtgggat tacagctcac tggagtcttg acttcccagg cacaagcaat      540
cttcccactt cagcttctta actacctggg actaaaaatg cactggcacc acattccgg      579

```

<210> 174

<211> 458

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(458)

<223> n = A,T,C or G

<400> 174

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tggattt tgggggggga ggtccatgcn gnttntgccc attcccatgg ngcccgacaa      60
ncccatc tggagggcgaca tcccctatgt catgttcatg cccaccatgc cctggctcat      120
ccctgg tgg tcccacagag gggccattcc catgggtccc gtccattcac cgggcatgtt      180
cataggcatg ggtcccccca ggagaggggt agnttgaggg cggacaggaa gcatgtttga      240
tggagaaatg aggtccacag nctccaaaaa tttgagtcac cacattcata ggctgctgca      300
tactctgtct gctgaatcca ttgtatncag tgatgggctg ctggggnttt ggaaggctng      360
cataccaggt agtaagntcg tctaggtcga tgtttacacc tggggtcaga ccaagtanga      420
gggcaaggtt tgggtgactg atttttctgga cccatata      458

```

<210> 175

<211> 1206

<212> DNA

<213> Homo sapien

<400> 175

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ggcagcagga agtttttgtt actgaaaaag aaactgtcag aagcaaaaga aataaaatca      60
cagtcagaga accaaaaagt taaatgggaa caagagctct gcajtgctgag gttcttcaca      120
ctcatgaana tgaaaattat ctcttccatg aaaattgcac gttgaaaaag gaaattgcba      180
tggtaaaatt ggaattagcc acactgaacc accaatacca ggaaaaggaa aataaatact      240
tggaggacat taagatttta aaagaaaaga atgctgaact ccagatgacc ctaaaaactg      300
aagaggacat attaaactaaa agggcatctc aatatagtgg gcagcttcaa gttctgatag      360
ctgagaaacc aatgctcact tctaaattga aggaaaaaca agacaaagaa ataactagagg      420
cagaaattga atcaaacacc cctagactgg ctctctgctgt accaagaccat gatcaaatgg      480
tgacatcag aaaaagtcba gaacctgctt tccacattg aggagatgct tgtttgcaaa      540
gaaaaatgaa tgttgatgtg agtagtacga tatataacca tggaggtgctc catcaaccac      600
ttcttgagag tcaagggaaa tccaaaagcc taaaaattaa tctcaattat jccggagatg      660
ctctaajaja aaatacattg gattcagaa atgcacaaag agaccaaggt gaaacacagt      720
gtcaaatgaa ggaagctgaa cacatgtatc aaaaagaaac agataatgtg aacaaacaca      780
ctjaacagba ggajctctta gatcagaact tatttcacac acaaagcaaa aatatgttgg      840
tccaacagba attagttcat gcacataaga aagctgacaa caaaagcaag ataacaattg      900
acattcattt tcttgagagg aaaatgcacc atcatctctt aaaagagaaa aatgaggaga      960
tatttaatta caataacacc ttaaaaaaac gtatatatca atatgaaaaa gagaaagcag      1020
aaacagaagt tatataatag tataaacactg ccaaggaggg gattatctca tcttcatctt      1080
gtaatccag tgtttgtcac gtggttgttg aataaatgaa taaagaatga gaaaaccaga      1140
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cgtgdc

1206

<210> 176
 <211> 217
 <212> PRT
 <213> Homo sapien

<400> 176

Met	Gly	Thr	Arg	Ala	Leu	Gln	Cys	Glu	Val	Ser	His	Thr	His	Glu	Asn
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Glu	Asn	Tyr	Leu	Leu	His	Glu	Asn	Cys	Met	Leu	Lys	Lys	Glu	Ile	Ala
	20							25					30		
Met	Leu	Lys	Leu	Glu	Ile	Ala	Thr	Leu	Lys	His	Gln	Tyr	Gln	Glu	Lys
	35						40					45			
Glu	Asn	Lys	Tyr	Phe	Glu	Asp	Ile	Lys	Ile	Leu	Lys	Glu	Lys	Asn	Ala
	50					55				60					
Glu	Leu	Gln	Met	Thr	Leu	Lys	Leu	Lys	Glu	Glu	Ser	Leu	Thr	Lys	Arg
65					70				75					80	
Ala	Ser	Gln	Tyr	Ser	Gly	Gln	Leu	Lys	Val	Leu	Ile	Ala	Glu	Asn	Thr
				95				90						95	
Met	Leu	Thr	Ser	Lys	Leu	Lys	Glu	Lys	Gln	Asp	Lys	Glu	Ile	Leu	Glu
	100						105					110			
Ala	Glu	Ile	Glu	Ser	His	His	Pro	Arg	Leu	Ala	Ser	Ala	Val	Gln	Asp
	115						120					125			
His	Asp	Gln	Ile	Val	Thr	Ser	Arg	Lys	Ser	Gln	Glu	Pro	Ala	Phe	His
	130					135					140				
Ile	Ala	Gly	Asp	Ala	Cys	Leu	Gln	Arg	Lys	Met	Asn	Val	Asp	Val	Ser
145				150					155					160	
Ser	Thr	Ile	Tyr	Asn	Asn	Glu	Val	Leu	His	Gln	Pro	Leu	Ser	Glu	Ala
				165				170						175	
Gln	Arg	Lys	Ser	Lys	Ser	Leu	Lys	Ile	Asn	Leu	Asn	Tyr	Ala	Gly	Asp
	180						185						190		
Ala	Leu	Arg	Glu	Asn	Thr	Leu	Val	Ser	Glu	His	Ala	Gln	Arg	Asp	Gln
	195					200						205			
Arg	Glu	Thr	Gln	Cys	Gln	Met	Lys	Glu	Ala	Glu	His	Met	Tyr	Gln	Asn
210					215						220				
Glu	Gln	Asp	Asn	Val	Asn	Lys	His	Thr	Glu	Gln	Gln	Glu	Ser	Leu	Asp
225				230					235					240	
Gln	Lys	Leu	Phe	Gln	Leu	Gln	Ser	Lys	Asn	Met	Trp	Leu	Gln	Gln	Gln
			245					250					255		
Leu	Val	His	Ala	His	Lys	Lys	Ala	Asp	Asn	Lys	Ser	Lys	Ile	Thr	Ile
	260						265						270		
Asp	Ile	His	Phe	Leu	Glu	Arg	Lys	Met	Gln	His	His	Leu	Leu	Lys	Glu
	275					280						285			
Lys	Asn	Glu	Glu	Ile	Phe	Asn	Tyr	Asn	Asn	His	Leu	Lys	Asn	Arg	Ile
290					295						300				
Tyr	Gln	Tyr	Glu	Lys	Glu	Lys	Ala	Glu	Thr	Glu	Val	Ile			
305					310						315				

<213> 177
 <211> 20

<212> DNA
 <213> Artificial Sequence

<220>
 <224> Made in the Lab

<400> 177
 ccaatcattc ccacaggagg

23

<210> 178
 <211> 1665
 <212> DNA
 <213> Homo sapien

<400> 178

gcaaaactttc	aaggcagagcc	tcctcgagaag	ccatctgcct	tcgagcctgc	cattgaaatg	63
caaaagctctg	ttccaaataa	agccttggaa	ttgaagaatg	aacaaacatt	gagagcagat	120
cagatgttcc	cttcagaatc	aaaacaaaag	aaggttgaag	aaaattcttg	ggattctgag	180
agtctcggcg	agactgtttc	acagaaggat	gtgtgtgtac	ccaaggctac	acatcaaaaa	240
gaaatggatc	aaataagctgg	aaaattagaa	gattcaacta	gcctatcaaa	aatcttggat	300
acagttcttt	cttgtgaaaag	agcaaggagg	cttcaaaaaag	atcactgtga	acaacgtaca	360
ggaaaaatgg	aacaaatgaa	aaagaagttt	tgtgtactga	aaaagaaaat	gtcagaagca	420
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aggaaaataa	atacttttag	gacattaaga	tttcaaaaaga	aaagaatgct	gaacttcaga	660
tgacctaaa	actgaaagag	gaatcattaa	ctaaaaagggc	atctcaatat	agtggggcagc	720
ttaaaagttc	gatagctgag	aacacaaatgc	tcacttctaa	attgaaggaa	aaacaagaca	780
aagaaatact	agaggcagaa	attgaatcac	accatcttag	actggtttct	gctgtacaag	840
accatgatch	aatttgtaca	tcagaaaaaa	gtcaagaacc	tgttttcac	attgcaggag	900
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aaagtgcacg	acagtgctca	atgaagggaag	ctgaacacat	gtatcaaaaac	gaacaagata	1140
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gcaaaaatat	gtggtttcaa	cagcaatttag	ttcatgcaca	caagaagct	gacaaacaaa	1260
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aaaaagagaa	agcagaaaac	gaaaactcat	gagagacaag	cagtaagaaa	cttcttttgg	1440
agaaacaaac	gacagatatc	ttactacaaa	ctcatgctag	gaggccagtc	ctagcattac	1500
cttatgttga	aaatcttaac	aatagtctgt	gtcaacagaa	tacttatctt	agaagaaaaa	1560
ttcatgattt	cttcttggaag	cttggggcag	agagcgagac	tttgtctcaa	aaaaaaaaaa	1620
aaaaaaaaaa	agaaagaaat	gcctgtgctt	acttgccttc	ccagg		1665

<210> 179
 <211> 179
 <212> PRT
 <213> Homo sapien

<400> 179
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20	25	30	
Asn Glu Gln Thr Leu Arg Ala Asp Gln Met Phe Pro Ser Glu Ser Lys			
35	40	45	
Gln Lys Lys Val Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu Arg Glu			
50	55	60	
Thr Val Ser Gln Lys Asp Val Cys Val Pro Lys Ala Thr His Gln Lys			
65	70	75	80
Glu Met Asp Lys Ile Ser Gly Lys Leu Glu Asp Ser Thr Ser Leu Ser			
85	90	95	
Lys Ile Leu Asp Thr Val His Ser Cys Glu Arg Ala Arg Glu Leu Gln			
100	105	110	
Lys Asp His Cys Glu Gln Arg Thr Gly Lys Met Glu Gln Met Lys Lys			
115	120	125	
Lys Phe Cys Val Leu Lys Lys Lys Leu Ser Glu Ala Lys Glu Ile Lys			
130	135	140	
Ser Gln Leu Glu Asn Gln Lys Val Lys Trp Glu Gln Glu Leu Cys Ser			
145	150	155	160
Val Arg Phe Leu Thr Leu Met Lys Met Lys Ile Ile Ser Tyr Met Lys			
165	170	175	
Ile Ala Cys			

<210> 130

<211> 1681

<212> DNA

<213> Homo sapien

<400> 130

gatacagtcg	ttcttctgtaa	agagcaagg	aaattcaaaa	agatcactgt	gaacaacgtg	60
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caaaaagaaat	aaaatcacag	ttagagaact	aaaaagttaa	atgggaacaa	gagctctgca	180
gtgtgagatt	gactttaaa	caagaagaag	agaagagaag	aaatgcgat	atattaaatg	240
aaaaaattag	ggaagaatta	ggaagaatcg	aagagcagca	taggaagag	ttagaagtga	300
aaacaaact	tgaacagggt	ctcagaatac	aagatataga	attgaagagt	gtagaagtga	360
atttgaatca	ggtttctcac	actcatgaaa	atgaaaatta	ttctttacat	gaaaattgca	420
tgttgaaaaa	ggaatttgc	atgctaaaa	tggaaatagt	cacactgaaa	caccaataac	480
aggaaaagg	aaataaatac	tttgaggaca	tttagatttt	aaaagaaaag	aatgctgaac	540
ttcagatgac	cttaaaaactg	aaagaggaat	cattaactaa	aagggcactc	caatatagtg	600
ggcagcttaa	agttctgata	gotgagaaca	caatgctcac	ttctaaattg	aaggaaaaac	660
aagacaaaga	aatactagag	gcagaaattg	aattcacaca	ttctagactg	gtttctgttg	720
tacaagacca	tgaacaaatt	gtgacatcaa	gaaaaagtca	agaacttgct	ttccacattg	780
caggagatgt	ttgttttgca	agaaaaatga	atgttgatgt	gagttagtag	atatataaaa	840
atgaggtggt	caatcaacca	ctttctgaag	ctcaaaaggaa	atccaaaagc	ctaaaaatta	900
atctcaatta	tgcgggagat	gctctaagag	aaaatacatt	ggtttcagaa	catgcacaaa	960
gagaccaacg	tgaacacacag	tgtcaaatga	aggaagtgtg	acacatgtat	caaaaacgaac	1020
aagataatgt	gaacaaaacac	actgaacagc	aggagtctct	agatcagaaa	ttatttcaac	1080
tacaaaagcaa	aaatatgttg	cttcaacagc	aattagtcca	tgcacataag	aaagctgaca	1140
acaaaagcaa	gataacaatt	gatatttcatt	ttcttgagag	gaaaatgcaa	catcatctcc	1200
taaaagagaa	aaatgaggag	atattttaatt	acaataaaca	tttaaaaaac	cgtatatatc	1260


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aatatgaaaa agagaaagca gaaacagaaa attcatgaga gacaagcagt aagaaacttc 1320
ttttggagaa acaacagacc agatctttac tcaaaactca tgetaggagg ccagtccctag 1380
cattacotta tggtagaaaaa tcttaccaat agtctgtgtc aacagaatac ttattttaga 1440
agaaaaattc atgattcttt cctgaagcct acagacataa aataacagtg tgaagaatta 1500
cttgttcacg aattgcataa aagctgacca ggatttcctt ctaccctgga tcatgcggga 1560
gacatcattc aatccaaaca gaattctgct ctgtcactca ggtctggagt cagtgggggc 1620
aatctcgggt cactgcaact ctgctcaca ggctcaagcc attctctgga acagctccc 1680
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<210> 181

<211> 432

<212> PRT

<213> Homo sapien

<400> 181

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20          25          30
Val Leu Lys Lys Lys Leu Ser Glu Ala Lys Glu Ile Lys Ser Gln Leu
35          40          45
Glu Asn Gln Lys Val Lys Trp Glu Gln Glu Leu Cys Ser Val Arg Leu
50          55          60
Thr Leu Asn Gln Glu Glu Glu Lys Arg Arg Asn Ala Asp Ile Leu Asn
65          70          75          80
Glu Lys Ile Arg Glu Glu Leu Gly Arg Ile Glu Glu Gln His Arg Lys
85          90          95
Glu Leu Glu Val Lys Gln Gln Leu Glu Gln Ala Leu Arg Ile Gln Asp
100          105          110
Ile Glu Leu Lys Ser Val Glu Ser Asn Leu Asn Gln Val Ser His Thr
115          120          125
His Glu Asn Gln Asn Tyr Leu Leu His Glu Asn Cys Met Leu Lys Lys
130          135          140
Glu Ile Ala Met Leu Lys Leu Glu Ile Ala Thr Leu Lys His Gln Tyr
145          150          155          160
Gln Glu Lys Glu Asn Lys Tyr Phe Glu Asp Ile Lys Ile Leu Lys Glu
165          170          175
Lys Asn Ala Glu Leu Gln Met Thr Leu Lys Leu Lys Glu Glu Ser Leu
180          185          190
Thr Lys Arg Ala Ser Gln Tyr Ser Gly Gln Leu Lys Val Leu Ile Ala
195          200          205
Glu Asn Thr Met Leu Thr Ser Lys Leu Lys Glu Lys Gln Asp Lys Gln
210          215          220
Ile Leu Glu Ala Glu Ile Glu Ser His His Pro Arg Leu Ala Ser Ala
225          230          235          240
Val Gln Asp His Asp Gln Ile Val Thr Ser Arg Lys Ser Gln Glu Pro
245          250          255
Ala Phe His Ile Ala Gly Asp Ala Cys Leu Gln Arg Lys Met Asn Val
260          265          270
Asp Val Ser Ser Thr Ile Tyr Asn Asn Glu Val Leu His Gln Pro Leu
275          280          285

```

Ser Glu Ala Gln Arg Lys Ser Lys Ser Leu Lys Ile Asn Leu Asn Tyr
 290 295 300
 Ala Gly Asp Ala Leu Arg Glu Asn Thr Leu Val Ser Glu His Ala Gln
 305 310 315 320
 Arg Asp Gln Arg Glu Thr Gln Cys Gln Met Lys Glu Ala Glu His Met
 325 330 335
 Tyr Gln Asn Glu Gln Asp Asn Val Asn Lys His Thr Glu Gln Gln Glu
 340 345 350
 Ser Leu Asp Gln Lys Leu Phe Gln Leu Gln Ser Lys Asn Met Trp Leu
 355 360 365
 Gln Gln Gln Leu Val His Ala His Lys Lys Ala Asp Asn Lys Ser Lys
 370 375 380
 Ile Thr Ile Asp Ile His Phe Leu Glu Arg Lys Met Gln His His Leu
 385 390 395 400
 Leu Lys Glu Lys Asn Glu Glu Ile Phe Asn Tyr Asn Asn His Leu Lys
 405 410 415
 Asn Arg Ile Tyr Gln Tyr Glu Lys Glu Lys Ala Glu Thr Glu Asn Ser
 420 425 430

<210> 182
 <211> 511
 <212> DNA
 <213> Homo sapiens

<400> 182
 gagttttcat gaggttttagc tttttctgggc tgggggagtgg agagaaagaa gttgcagggc 60
 tracaggaaa tccagagacc tgagggttttc tccagattt gagaactcta gattctgcac 120
 cattatcttt gaggctatat tctcttgggc tgttaagaaga tgagggaatgt aatagggtctg 180
 ccccaagctt ttcatgcctt ctgtaccag ctgttttctt tgtgcattct tccaggtctc 240
 ttgttgctcc ctattggaga atgtgatttc caagacaatc aatccacaag tgtctaaagc 300
 tgaatagaaa gaactttctc aagagttcat agacgacaat gccactacaa atgcataga 360
 tgaattgaag gaatgttttc ttaaccaaac ggatgaaact ctgagcaatg ttgaggtgtt 420
 tatgcaatta atatatgaca ggaagtcttgg tgatttattt taactttctg caagaccttt 480
 ggtccacaga actgcagggg atggtgagaa a 511

<210> 183
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 183
 cactctcagg tccagctctt ctgtcttggg gaagaaccat tctctggcat ccttgagggtt 60
 ctctctcagg aattctctat atgggtcagg catcttggtc agaattgggc tcaggtccac 120
 gtcaggtyaa ggttcctctt ccaattggac atctccaccc acctgggctc tcagggcatt 180
 catctctctt tcttgggtct tcttcaggta ggcagctctt tcttcaggc tctcaatctg 240
 catctcagg tcagctctgg 260

<210> 184
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 184

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gtctgatggg agaccaaaaga atttgcaagt ggatgggttg gtatcactgt aaataaaaaag 60
agggcctttt ctagctgtat gactgttaact tgaccttctt tgaaaagcat tcccaaaatg 120
ctctatttta gatagattaa cattaaccaa cataattttt tttagatcga gtcagcataa 180
atttctaagt cagcctctag tcttggttca tctctttcac ctgcatttta tttgggtgtt 240
gtctgaagaa aggaaagagg aaagcaataa cgaattgtac tatttgtacc aaatctttgg 300
gattcattgg caataattt cagtgtgtgt tattattaaa tagaaaaaaa aaattttgtt 360
tcttaggttg aaggctaat tgatacgtt tgacttatga tgaccattta tgcactttca 420
aatgaatttg ctttcaaat aaatgaagag cagacctogg c 480

```

<210> 185

<211> 531

<212> DNA

<213> Homo sapiens

<400> 185

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cttgatttta tttctttctc aaaaaaagt atttacagaa ggtatatatc aacaattcga 60
caggcagtgga acttgacatg atttagctggc atgatttttt cttttttttc ccccaaaat 120
tgtttttgtg gctttgaatt ttaagacaaa tattctacac ggcataattg acaggatgga 180
tggcaaaaaa aagtttaaaa acaaaaaacc ttaacggaac tgccttaaaa aggcagacgt 240
cttagtgctt gtcatgttat attaaacata cacacacaca atcttttttg ttattataat 300
acagacttaa atgtacaaag atgtttttca ctttttttcaa tttttaaaca caacagctat 360
aaacttgaa acatagtcta tcatcatgac ataagactaa aacaattata tttagcgaca 420
agtcgaaaag attaaatagt caaatacaag aatgaaaaac gcagtacata gtgtcgcgaa 480
ctcaaatogg catttagata gatccagtgg tttaaaacgg acgttttttg t 531

```

<210> 186

<211> 441

<212> DNA

<213> Homo sapiens

<400> 186

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cattctcttc ctggcgttg gggtttctctg tgtcagcgag cctcggtaca ctgatttcag 60
atcaaaaagaa tcatcatctt taccttgact tttcagggaa ttactgaact ttctctcag 120
aagctagggg acagccattg ccttggcctc acttgaaggg ctgtcatttg ggtctctcgg 180
tctcttgcca agttttccaa ccactcgagg gagaaatata gggaggtttg acttctctcg 240
gggttttccc gagggcttca ccttgagccc tgcgggcctc agggctgcaa tcttggtatc 300
aatgtctgaa acctcgctct ctgctctctg gactctcag gcctcactg ccactctgtc 360
ctccagctct gacagctctt catctgttgt cctgttgtac tggacggggg cccacagggc 420
ctgggggggt tttctctgc t 441

```

<210> 187

<211> 371

<212> DNA

<213> Homo sapiens

<400> 187

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aaaagtgaat gagtaactat tatattgttg gcaataataa gttgcaaaaa catcaggctg 60
caggctgttg atgggtgagag tgaactctgt cccagatcca ctgcgcctga accttgatgg 120
gacccagat tctaaastag aagccttatg gatcaggagc tttgggggctt tccctgggtt 180

```

```

ctgttgatac caggccaacc aactactaac attctgactg gcccgccaag tgatggtgac 240
tctgtctcct acagttgcag acaggggtgga aggagactgg gtcattctgga tgtcacattt 300
ggcactctggg agccagagca gcaggagccc caggagctga ggggggaccc tcatgtccat 360
gttgagtcct g                                     371

```

<210> 188

<211> 226

<212> DNA

<213> Homo sapiens

<400> 188

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ggatataaaa ttgagatgac cccccaggcc agcaaatggt ctttttttgtt caaagtctat 60
ttttatttct tgataatttt cttttttttt tttttgtgga tggggacttg tgaatttttc 120
taaaggctgt attcaacatg ggaggagagc gtgtgcggct ccagccagc ccgtctctca 180
ctttccacc cctctccacc tgcctctggc tctccaggac ctgccc                                     226

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<210> 189

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(391)

<223> n=A,T,C or G

<400> 189

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tgggtgaagt ttattctgtt ttcacatcta ggttggtggg ganagtgata gacaaagttc 60
tggattctgg gcattcttgg cgcattgttg taattctact tgggaggttg anacaggaga 120
cttcggcgcg naccaatgta agggcgaatt ctgcacat atccacacac gggggccgct 180
cgagcatgca tctanagggc ccaatttccc ctatagttag ncttattaca attcactggc 240
cgtcgtttta caacgtcttg actgggaaaa cctggcggtt acccaactta atcgcccttc 300
agcacatccc ctttttcccc gctgggttaa tanagaagag gcccgccacg atcgcccttc 360
ccaacanttg cgcagcctga atggcggaatg g                                     391

```

<210> 190

<211> 501

<212> DNA

<213> Homo sapiens

<400> 190

```

catcttgggc tttttgagct gtttcggctt cttctcactc cggtcactgt caccctcatt 60
actggaggag ctggcagagg cgttgctgtc aaactctctt gccacatctt cctctctctc 120
acctgggttg aatgaactcat cggctctctt tcttgagcca tctctgtctg cattggcaat 180
ctctctccgg atcttgcctt cctctctcat cctctccaaag taggcacat gotggtcctc 240
atcagagctc gcataatcat cgtagcttgg gtccatgccc tctttcaatc ctgggttttt 300
gatgttgagc tttttcggct tgacaaaaac aaacagtttc ccgtactctt cctctcctat 360
gttgctgaag gtatactgag tgccttgctt ggtctcaatt tcaaaagtcac aggaacagat 420
agtagtggtc ccacagagcaa agttgacaaa ggagatctca tcgaagcgga tgtgcacagg 480
tggcttgctg acgtagatga a                                     501

```

<210> 191
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (49)
 <223> n=A,T,C or G

<400> 191
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 aacagaaagt aaaaaactaac atggattgct ataatatgc tgaagcctag tggttcaaat 120
 gatcaaatcc tctcatgcta ctctaaagtt tataaagaaa aaggatttac accttacaca 180
 ctgtacataa aaggaatacc ttctgagagt cagggagtgg ggaaagggga aggagacttg 240
 a 241

<210> 192
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n=A,T,C or G

<400> 192
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 gattagaagan caaaaccagt ccacagaatc ccaataatga cagcttcaga ctttgctttt 120
 ttaacaaattt gaaaaattat tctttaatgt ataaagtaat tttatgtaaa ttaataaata 180
 ataatttcat ttccacattg attaaagctg ctgtatagat ttaggngnga ggaacttaata 240
 atagnngaaa tgaaattatg atttattaat c 271

<210> 193
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 193
 agtcgaggcg ctgatcccta aaatggggaa catgtgtttt catcatttca gccaaagtc 60
 taaatccctg tgcctttcct atcacctaga gaagtaatta tcagtttggt tggatttttg 120
 gacacccgtt cagtcatttt gggttggcgt gctcccaaaa catcttaaat gaaagtattg 180
 gcatccaaa agacagcaga caaaatgaaa gaaaatgaga gcagaaagta agcatttcca 240
 ggcatactaa tttctttagt tttctatttg cctccagtcg agtcatttc ctaatgtata 300
 ccagctact gtactattta aaatgctcaa ttccagcacc gatggactg c 351

<210> 194
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 194

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ctgagacaca gaggcccaact gcgaggggga cagtggcggg gggactgaac tgcctgacagt 60
caccctccct ctgctgggat gaggtccagg agccaactaa aacaatggca gaggagacat 120
ctctgggtgt cccaccaccc tagatgaaaa tccacagcac agacctctac cgtgtttctc 180
ttccatccct aaaccacttc cttaaaatgt ttggatttgc aaagccaatt tggggcctgt 240
ggagcctggg gttggatagg gccatggctg gtcccccacc ataccctccc tccacatcac 300
tgacacagac c                                     311

```

<210> 195

<211> 381

<212> DNA

<213> Homo sapiens

<400> 195

```

tgtcagagtg gcactggtag aagttccagg aacctgaac tgtaagggtt cttcatcagt 60
gccaacagga tgacatgaaa tgatgtactc agaagtgtcc tggaatgggg cccatgagat 120
ggttgtctga gagagagctt cttgtcctgt ctttttcctt ccaatcaggg gctcgcctct 180
ctgattattc ttcagggcaa tgacataaat tgtatattcg gttcccggtt ccaggccagt 240
aatagtagcc tctgtgacac cagggcgggg ccgaggggac acttctctgg gaggagaccc 300
aggtctctca tacttgatga tgtagccggg aatcctggca cgtggcggct gccatgatac 360
cagcagggaa ttgggtgtgg t                                     381

```

<210> 196

<211> 401

<212> DNA

<213> Homo sapiens

<400> 196

```

cacaaacaag aggagcacca gacctctctt tggtctcgag atggcttcgc cacaccaaga 60
gccaaaacct ggagacctga ttgagatttt ccgcttggc tatgagcact gggccctgta 120
tataggagat ggctacgtga tccatctggc tcttccaagt gactaccccg gggctggctc 180
ctccagtgtc ttctcagtcg tgagcaacag tgcagaggtg aaacgggagc gcttgggaaga 240
tgtggtggga ggtgttgtgt atcgggtcaa caacagcttg gacctgagt accaaccacg 300
ggcgtggag gtgatcaca gtctctgcga ggagatgggt ggtcagaaga tgaagtacag 360
tattgtgagc aggaactgtg agcactttgt caccagacc t                                     401

```

<210> 197

<211> 471

<212> DNA

<213> Homo sapiens

<400> 197

```

ctgtaatgat gtgagcaggg agccttctct cctgggcac ctgacagagag ctttcccacc 60
aactctgtac ctgattggc ttacaaagtt atttgtttac aaacagcgac catataaaag 120
cctcctggcc caagcttgtt gggcacatgg gcacatacag actcacatac agacacacac 180
ttatatgtac agacatgtac tctcacacac acaggaacca gcatacacac gtttttctag 240
gtacagctcc caggaaacagc taggtgggaa agtcccacca ctgagggagc ctaaccatgt 300
ccctgaacaa aaattgggca ctcatctatt ccttttctct tgtgtcccta ctcatgaaa 360
ccaaactctg gaaaggaccc aatgtaccag tatttatacc tctagtgaag cacagagaga 420
ggaagagagc tgcctaaaact cacacaacaa tgaactgcag acacagacct g                                     471

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<210> 198
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 198
 ggtccataga ggtctgtgag gccatgccca cagttcgaag ctttgccaac gaggagggcg 60
 aagccccgaa gtttagggaa aagctgcaag aaataaagac actcaaccag aaggaggctg 120
 tggcctatgc agtcaactcc tggaccasta gtatttcagg tatgtgtgtg aaagtgggaa 180
 tctctacat tggtaggcag a 201

<210> 199
 <211> 551
 <212> DNA
 <213> Homo sapiens

<400> 199
 tctggccag atcttcaccc aacgggggt ccacgtgtg atcatctcc gggctccacc 60
 gggcctggaa cacaccatct tcccatgag ccgggtgcc agtctgggga cttccatctt 120
 ggcctcggg cttatgtccc agttatgacc cctgacttca actctgggtc ttaccctgta 180
 attccagttc atctctgaca tttttaacac ccggccttgt gacccgtggac atagctcctg 240
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 tccaaacttg tgatcctaatt ctggggacct caatcctaga ccttgaaact gggaccttgg 360
 agtctctgac cttagtcctg accgtacccc ttgattctga ccttgatcc tctaacttag 420
 gggtaggcac tgaacttatt actgtcattt agctccttga ccttgccact tcaatcctgg 480
 ctttatgacc tcttactctc aatttttaact ttaaccaaat gaccaaaatt gtgacactaa 540
 atgaccacaa t 551

<210> 200
 <211> 211
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(211)
 <223> n=A,T,C or G

<400> 200
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 tctaaagagag gctgtgnc aattacctg cagaaaactt ctcatagggg ctacgatcgg 120
 tctgtgagg gggacatag cgcocatggg tgtggttaggt ggggnactcn ntnataggat 180
 gttaggatc ccgggttgga aanatgnnca g 211

<210> 201
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 201

ccagtgaaaag gaaacaaaaa tggcagtttg tccatttgaa taccagacct agttttttct 60
 taattttccac attattttct ccataattct taaaattttt ggcattccac t 120

<210> 202

<211> 331

<212> DNA

<213> Homo sapiens

<400> 202

cgaaaaataca gaataaccagg tggctccaaa tgtttgaagt tctttgaaca gaaagagaga 60
 ggagagagag agagaggaaa attccctaac ccttgggtta aagacaatat tcatttattg 120
 ctcaaatgat gcttttaagg gaggacagtg gaataaaaata aacttttttt ttctccctac 180
 actacataga aggggttatca aaccactcaa gtttcaaaat ctttccaggg tccaatatca 240
 ctttttttct ttgggttcaa tgaaaagcta aatgtaataa tactaattat agataaaatt 300
 ttattttact ttttaaaaat ttgtccagac c 331

<210> 203

<211> 491

<212> DNA

<213> Homo sapiens

<400> 203

agtcacccag tctacttagt aactgggttg tgcctctgac cttttcagct tgataccctg 60
 ggcttttagtg taaccaataa atctgtagtg aacttaccctg tattccctgt gctatccctg 120
 gggaaggtag gaatgggcta agtatgatga atgtataggt tagggatctt ttgggtttta 180
 atccacagaaa accttaattca aactgggtta aaataaaaaag gatttattgg ttcatgtaac 240
 tagaaaagtc ataggttagtg ctggctccag gtgaagactt gaccagtag ttcatgtatg 300
 ctctaaatca cggactgaat tttttctcac tgttgcactt tctgtaggac catttaagtc 360
 tgggcactt aatggctgct agcattccca agattacact tttccccatt tatgtccaat 420
 cagaaaaaga aggcattttt gtaaccagaaa tctcagcaaa agccctaata ttccactga 480
 ttaggaactg c 491

<210> 204

<211> 361

<212> DNA

<213> Homo sapiens

<400> 204

tcctttcttc ccccatgtga taaatgggtc cagggctgat caaagaactc tgactgcaga 60
 actgcgcctc ccagtgagca gggcatctgt tatcctgaga cctgtggcag acacgtcttg 120
 ttttcatttg atttttgcta agagtgcagt attgcagagt cttagaggaat ttttgtttc 180
 ttgatttaca tgattttctt ggttggttaca tccagggcat ggcagtggcc tcagccttaa 240
 attttgttc ctactccac cctcagcgaa ctgggcagca cggggagggt ttggctaccc 300
 ctgaccttc ctgagccagg taaccaccatt gtaaggaaa acctttcagaa attcagacct 360
 c 361

<210> 205

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)

<223> n=A,T,C or G

<221> misc_feature

<222> (3)

<223> n=A,T,C or G

<400> 205

```

cnnngtacagt ttttcctgga tggcggacac agatcctggg gaaaggcaat cctggcactg 60
ctctgaaaac agagctcctc ctccctcccc gggcagggtg gagctgagaa gggctgctct 120
agcgttggga ctccacctcc atacacctga tattttgata gggcagggtc ctgctatggg 180
ccactgtctt gggcagatata gtatgcttga cagcatcctt ggcctctatc caccagatcc 240
cagagcaccac gctactagct gtgacaacat cctccaaaac ttgcaaaatt tcccttggga 300
ggcaagattg cctcagatgg gagaatcag ctctaggga atctgctggt atgagaaccc 360
caactcccca ctccactgag cctccagatg ggcagcagga tgcagctcca gcacagacac 420
gaagctcctt ccagccactg aaggctccatg gctgggggta cccaggacct c 480

```

<210> 206

<211> 261

<212> DNA

<213> Homo sapiens

<400> 206

```

taagttatct agagctcctg gataaacaagg aatccaggca tcccttagac agtcttctgt 60
tgtctctctt tcccaatcag agatttctgg atgtgtggaa tgacaccacc accagcaatt 120
gtcgccttga tgagagaatc caattcttca tctccacgaa tagcaagttg caagtgaaga 180
ggcgttaatac gctttacctt taagtcttct gatgcatttc ctgcacgttc aagtaacctct 240
ggcgtgaggt actccaggat g

```

<210> 207

<211> 361

<212> DNA

<213> Homo sapiens

<400> 207

```

gctctccggg agtttgaaga agaaaactggc taaaaagggg acattgcaga atgttctcca 60
gggctcgtta tggacccagg ctctgtcaaac tgtactatcc acatcgtgac agtcaccatt 120
aacggagatg atggccaaaa cgcgaaggccg aagccaaaagc caggggatgg agagtttgtg 180
gaagtcattt ctttaaccca gaatgacctg ctgcagagac ttgatgctct ggtagctgaa 240
gaatcttcca cagtggacgc cagggctctat tcttaagctc tagcaactgaa acatgcaaat 300
gcaagctat ttgaagtgcg cttctttgaaa ttttaagccc aaatatgaca ctggacctgc 360
c

```

<210> 208

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(381)

<223> n=A,T,C or G

<400> 208

```

agaggagatn tttgccatgc ctgaatnctt tccatncca cccatnccact taacatatta 60
ctttagtctgc tttgntaaaa gcaagtatta ccttnaactt gnotcttact ctttgccctt 120
taggttaacta ataaagnttg atntaggeat tattatataa tcttgagtca ttcctggtat 180
cttccatgtt tcatgtattt tncaaaactaa gatctatgat agtttttttt ccanagttcc 240
attaaatcat tttcttcctt tactttctca cctctgtnga aacatttaga aactggattt 300
gggaacccan ttttggaaaa ccagattcat agtcatgaaa atggaaaactt ncatattctg 360
cttttgaaaa gatgtggacc t 381

```

<210> 209

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (93)

<223> n=A,T,C or G

<400> 209

```

gtgggagagca agtgatttat taaagcaaga cgttgaaaac tttacattct gcagtgaaga 60
tcagggtgtc attgaaaagac agnggaaaac aggatgaaag tttttacatg tcacacacta 120
cattctttca atattttcac caggacttcc gcaatgagga ttctttcttg aagggaacac 180
tgatccgtgc atctctttcac tcttaacttg gctgcaacag cttccacttg c 231

```

<210> 210

<211> 271

<212> DNA

<213> Homo sapiens

<400> 210

```

tccatctctg ttttgagag atcaggttgt tgacagttcc tggctgacc acagctacc 60
atgtcagtta tctccactaa catatccaaag aatcttttga ggacaatttc tccacctgca 120
aggtttttta ggtagaactc tctttttaag gcaattagcc cattgcaaaa aggttttact 180
gtcttaagc tgcctttctg agatctaatt ccaaggactt ctccacagct aagttagatg 240
ctccacacca ttaggtgatg ctttggacag aacagagtat tttcatcttg tgtttaaagc 300
aatctcttgg ctccggctcc tccaccattt ctatgcacgt ctccacttta tgcctctagt 360
aatgcctatg c 371

```

<210> 211

<211> 471

<212> DNA

<213> Homo sapiens

<400> 211

```

tttattttta aagaaaaaaa ttaaaataga gcaacaaaat gcaatttaaga aaaaaaaagt 60
attgagacac aaggggagct acatgtttctg gtctaagaag catgcaagta ttacaaagca 120
ttccagatac agtatgacag aggaacagtg aacaagcatt ggaacgatgc tttttcttct 180

```

```

agaaaaggga agtotaabag ttatgttttc acaatggtag tgattaaacc atcttttattt 240
ttaagggaatt ttatagggaag aatttttagga ccattcattaa agggaaaaata ataatacctt 300
tttagccctg ccttatctcca gtcttggaat aataacagaa gcatagcacc ttccagtato 360
taaaatataa acaagaatag taagtccac ccagcttcta gagatgaggt agtccatgct 420
aagaaatggt gggtcatttt tccatgaaa gtccaaaaggc caaatggcca c 471

```

<210> 212

<211> 401

<212> DNA

<213> Homo sapiens

<400> 212

```

tggctgtct ccttcacata gtccatata ccacaaatca cacaacaaaa gggagaggat 60
atattttggg ttcaaaaaaa gtaaaaagat aatgtagctg catttctttg gttattttgg 120
gccccaaata tttctcacc tttttgttgt tgtcatggat ggtggcgaca tggacttgtt 180
tatagaggac aggtcagctc totgggtcgg tgatctacat totgaagttg totgaaaatg 240
ttttcatgat taaattcagc ctaaaagttt tgcgggggaa actgcagaga caatgctgtg 300
agtttcacac ctccagcccat ctgggggcag agaaggtcta gtttgcacat caccattatg 360
atancaggac tggttacttg gtttaaggagg ggtctacctc g 401

```

<210> 213

<211> 461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(461)

<223> n=A,T,C or G

<400> 213

```

tgtgaaacat acataaaata atgaagtaag ccatactgat ttaatttatt ggatgttatt 60
ttccctaaga cctgaaaaatg aacatagrat gctagttatt ttccagtgtt agccttttac 120
tttccctaca caatttcggaa ccatataata taggtacttt gtccctgatt aaataatgtg 180
aaggatagaa tgcataaggt gtttattatg aaaagagtgg aaaagtatat agcttttanc 240
aaaagggtgtt tgcacattct aagaaatgag cgaatatata gaaatagtgn gggcatttct 300
tctgtttagg tggagtgtat gtgttgacat ttctcccat ctcttccac totgtttntt 360
cccatctatt tgaataaagt gattgttgaa nangactttg aatccttata cacttaattt 420
aatgtttaaa gaaaaaccta taatggaaag tgagactctt t 461

```

<210> 214

<211> 181

<212> DNA

<213> Homo sapiens

<400> 214

```

cctgagcttc tactcctttt ccttaagatt cctccaaagg accagctcca taaaatcctt 60
cagctcccca gaccacacc aagaaccca catgttaatt ggatcagcca aatctacaag 120
cagataagtc ctaaggagaa tgcogaagg tttttctttt tctccaaggc tagcatgaga 180
c 181

```

<210> 215
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 215
 ctgctttaaag aatgggttttc cacttttttc cctaattctc taccaatcag acacatttta 60
 ttaatttaaat ctgcacctct ccttatttta ttggccaggg gcacgatgtg acatatctgc 120
 agtcccgaca cagtgggaca aaaagaattt agacccaaa agtgcctcg gcattggatct 180
 tgaacagaac cagtatctgt catggaactg aacattcctc gatggctctc atgtattcat 240
 ttaattcactt gttcattcaa gtattttatt aatacctgc tcaagctaga gagaaaagag 300
 agtgggcttt ggaaatttat tccagttttc agcctacagc agattatcag ctgggtgact 360
 ttctttcttg ccaccattta ggtgatgggt ttggattcag agatggctga attctctatt 420
 ttagcttatt gtgactgttt cagatctagt ttgggaacag attagaggcc attgtctctt 480
 gttctgatca ggtgggctgg ctgtttcttt ggatccctct gtcccagagc caccagaaac 540
 cctgactctt gagaatcaag aaaaacacca gaaaggact c 581

<210> 216
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(281)
 <223> n=A,T,C or G

<400> 216
 ccgatgtctt gttctgtgtg accagggggt cctctgnngg tggcctcaac cagggtgag 60
 atccttagaa gtccaggagc tgtggggaag agaagcatt agggccagcc agccgggcat 120
 ccttacttgc gcccgaacc accctcagc accagacctg cccngggggt cgttcnaaag 180
 ggtgaattct gcagatctc accacactgg cggacgtctg agcatgcctc tagagggccc 240
 aattcacctt atantgagtc gtattacaat tcaatgggct c 281

<210> 217
 <211> 356
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(356)
 <223> n=A,T,C or G

<400> 217
 atagcaggtt tcaacaattg tcttgtagtc tgnagtaaaa agacataaga aagagaaggt 60
 gtggtttgca gcaatcagta gtgggtttct caccataccc tgcagttctg tgagccaaag 120
 gtcttgagca aagttaaaat aaatcacaaa gactgtctgc atatattaat tgcataaaca 180
 cctcaacatt gctcagagtt tcatcagttt ggttaagaaa acattccttc aattcattta 240
 tggcatttgt agtggcattg tegtctatga actcttgaa agttctttg tattcagttt 300
 tagacatttg tggattgatt gntttggaac tcaattctc caataaggga cctcgg 356

<210> 218
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 218
 ttgtccatcgg ggagaaaggt gttttgtcagt tgttttcataa accagattga ggaggacaaa 60
 ctgctctggc aattttctgga tttctttatt ttcagcaaac acctttctta aagcttgact 120
 gttgtgggac tcctccaagt gatgaataat catcaagggc ttgttgcttg tcttggtatt 180
 atatagagct ttttcatatg ttgagtcaca gatgagttgg tcacctcaac ctctggagag 240
 ggtctggggc agtttgggtc gagagtcctt tctgtccttt ttggctccag gtttgactgt 300
 ggtatctctg gacttgctg g 321

<210> 219
 <211> 271
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (41)
 <223> n=A,T,C or G

<400> 219
 cctgcttagt ccacgggggg gcagtgaggg cacaggctca nggtgggcgg gctacctggc 60
 accttatggc ttacaaaagta gagttggccc agtttctttc cacttgaggg gagcactctg 120
 actcctaaac gtcttctctg ccttgccatc atctgggggtg gctggctgtc aagaaaaggcc 180
 gggcatgctt tctaaacaca gccacaggag gcttgtaggg catcttcacg gtgggggaaa 240
 agtcttatat aagtaagggt acttgctctaa g 271

<210> 220
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(351)
 <223> n=A,T,C or G

<400> 220
 gtcctatgac gaggacacgc tttctctctt caactttctc caaaacactc ggttgctctg 60
 ctctgcctgaa ttctctgaat gggctcagga acagggagat gctcctgcca ttttatttga 120
 caaagagctc ttggagtgga tgatccagca aatagggcca aaacttgatg ggaaaatccc 180
 ggtgtccaga gggtttctta ttgctgaagt gttcacgctg aagcctctgg agtttggcaa 240
 ggcacaaact ttgggtctgt ttgtcagtaa tctcttccca cccatgctga cagtgaactg 300
 gttagatcat tctgtcctg ttgaaggatt tgggctact tttgtctcag a 351

<210> 221
 <211> 371

<212> DNA

<213> Homo sapiens

<400> 221

```

gctgcagaa ggtgtctga ggtgtccgt ggaggtggca gcgagctct gggactaat 60
acgtgttgg ggaaggcacc ggtcaggat gcaggcagat cctgcagaa gtgtctaaaa 120
ttcaacatcc tctcttgag ggaagtogat ggtattagga tagaagcacc aggggacccc 180
aggaacggtg tcttcgaaa agcagccctt atttcgacac tgggagggcg tgacaccagg 240
aaaaacaaaa tctctgtctt caaggggggc cactgtacac gtctctgtct gggcctcggc 300
caggtgtgag agggccagca tggacaccag gaccagggcg cagatcactt tgtctctcat 360
ggtggacccc g                                     371

```

<210> 222

<211> 471

<212> DNA

<213> Homo sapiens

<400> 222

```

gtccatgttc catcattaat gttccaacat caccagggac acaaaagctgc aaaaatgaga 60
agggaaataa ggttagagaa aggatccggg caatcttaag gactgaggaa gacatgttcc 120
ccaaaccttg aattcacaaa ccttgaagct caaggattgc atcttctctc caaatctcac 180
tcaacataat aagtgcagaa caacatgcca aagcactgta tgaagcacta gggacaaaaga 240
caaggtctaa atctctgtta ccaaatctta tggatttgta atgcagtgtt aacacaggac 300
aggaacagaa caccacaaga ccaaacagaa gagggtaggg ataagcataa atgaagtaac 360
atgaataaaa ctcccaaatg gaaaaattgt ccataccccc agggcaagtc aactacagtc 420
tcccacaaagc cataaattcc atttagggca cactagacag aaaaacaatat t                                     471

```

<210> 223

<211> 411

<212> DNA

<213> Homo sapiens

<400> 223

```

agttgcttta caatgacaca caaatccgtt taaataaatt ataaacaagg gtcaattcaa 60
atttgacata atgttttagt aaggagagat tagaagacaa caggtatagt aaatgacata 120
aggtacacat taactaatcg gaacatgtta aacagttaca aaaataaacg aactctcttc 180
ttgtccraca atgaaaagccc tcatgtgcag tagagatgta gtttcattca agaacaaaca 240
tccrtgcaaa tgggtgtgac ggggttcacg atgtggattt ggcaaaaact catttaagta 300
aaaagtttag agagcaaaag ggggtgtctt agctgtgtgt tgtgtcgctg tgggtcggg 360
gaggtctctg cctgagcttc ctcccccagc ttgtgtgtct gagaggaacc a                                     411

```

<210> 224

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (31)

<223> n=A,T,C or G

```

<400> 324
gggtctgaggt ttgataacaa agaaatatat ntaagacaaa aatagacaag agttaacaat 60
aaaacacaaa ctatctgttg acataacata tggaaaatctt ttgtcagaaa gctacatctt 120
cttaatttga ttgtccaaat cattaaaaata tggatgattc agtgcacattt tgcacagaaat 180
tcgttttggt ggatcataga ttaacatctt cgagagcaaa tccaagccat tttcatccaa 240
gtctttgaca tgggatgcta ggttctctgg tttccatttg ggaaatgtat tcttatagtc 300
ctgtaaagat tccactcttg g 321

```

<210> 325

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (34)

<223> n=A,T,C or G

<400> 325

```

atgtctgggg aaagagttca ttggcaaaaag tgtntcccca agaattggttt acaccaagca 60
gagaggacat gtcactgaat ggggaaaagg aaaccccgta tccacagcca ctgtaaggcat 120
ccagtaggca ggaagatggc ttctgggcagt ggtctggatga aagcagattt gagataacca 180
gtctccggaac gaggtcatct tctacaggtt cttccctccac tgagacaatg aattccaggtt 240
gacatcttc t 251

```

<210> 326

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (1)...(331)

<223> n=A,T,C or G

<400> 326

```

gtt cggctccc agggccccccg ccaagnnggtt aacnnnnntna ccactccctga cccaaaaatc 60
aaggtctgca ttaaaaaggtt gcaaatctct ttactgttat cccccccacc accaggacca 120
cttaagggtg agtctttact cccataacccg tttcccgaaa aaggttgctac ctcttttcca 180
gacagatgag agagggcagg atttcagggt ggatccacca ctggggtctc cctccccccag 240
cttgagagac gggagggggag gtgacgggtg gtgactgatg gatgggtagt gggctgagaa 300
gaggggarta ggaaggggcta ttccagggtc a 321

```

<210> 327

<211> 321

<212> DNA

<213> Homo sapiens

<400> 327

```

aggtctgccc ttgaagtata ggaaggaatc atagttggag gaattctgca ttattttgttg 60
gttgaagcta gaagtgcac cccctctga tttctgcagg aagatgaact gccttatccc 120

```

```

cagcccgag gaatgttcat atctgagcaa tcaatgggca ctgtgttcaa ccacggcatt 180
ttcagattg gtcctttaa ccacccacaa ggcaccagct ctgggagaag ctgcagggag 240
aagagaacaa agccttcgt gtgatcagga tgggtgtctc ataccttttc ttgggggtca 300
ttcaggtat gagacagagt tgaacctggc catgaggtg gaggcagaca tcaacggcct 360
ggcaggggtg ctggatgagc tgacctgga c 391

```

<210> 339

<211> 391

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (35)

<223> n=A,T,C or G

<400> 228

```

gtgttcata gccactcct gggatagaag cttcttagtt catagtctga ttagtgtgtc 60
cttaggacat aggtccagcc ctacagatta gctgggtgaa gaaggcaagt gtctcgacag 120
ggcttagtgt ccacctcag gcctggaacc attcaggggtg aagctcggga tctgggcaca 180
ggagactcag gctgatataa aaataacaaa atcagtaata aaaaaattat aaaaacctgt 240
gttgtctga atagatttga gcaacagttt tctttctgtt aaaaacctgg agcgttaag 300
tcctgatat tctctcggac atcattgtgt gctggagaaa ggagcccag gcccggtctg 360
gtgacatct gtcaggtttg gaagtctcat c 391

```

<210> 339

<211> 341

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (202)

<223> n=A,T,C or G

<400> 229

```

gttcattggt tctcaccag acagtctttc tgggcaactt ggggaagccc ctgtcttgtc 60
caagtctaac cccatggaag aggtggggga agggggcctt ggtttttcag gaagacgggt 120
tggagagcac gattcactac aaagcagtaa aagtgaatgg tctctccagg ggcctgggtc 180
aqaacacgtt ggagagccc anccataaag gtgtgttcag cctctggcct gcaggaatct 240
cttgaatct ctttgatttg tgggtccaaag agcaatggga agtcaacagc caggaggctg 300
gaatgggttc cctgggaccc cgaggtccca gaggtgtgtg g 341

```

<210> 339

<211> 311

<212> DNA

<213> Homo sapiens

<400> 230

```

gtccaagcca aggaaaccat tcccttacag gagacctccc tgtacacaca ggacggcctg 60
gggtctaaag aaatggacaa tgcaggacag ctagtgtttc tggctacaga aggggaacct 120

```



```

cttcagttgt ctgaagaatg gttttatgac cacatcatac cattccttgg atgaaacccg 180
tatagttcac aatagagctc agggagcccc taactcttcc aaaccacatg ggagacagtt 240
tccttcctgc ccaagcctga gctcagatcc agcttgcaac taactcttct atcatctaac 300
atgccttact tggaaaagatc taagatctga atcttatctt ttgcctctct ctgttaccat 360
atgggtgttg atgcaagttt aattaccatg gagattgttt taaaaacttt tcatgttggtc 420
aagttcagtt ttagaaaaag gagtctgttc cagatcagtg ccagaactgt gcccaggccc 480
aaaggagaca actaactaaa gtagtgagat a 511

```

<210> 231

<211> 311

<212> DNA

<213> Homo sapiens

<400> 231

```

gggtccagta agctgtgggc aggcgaagccc ttgggtccac tgttgggtac acagacccct 60
ccctctgtgt cagctcaggg agctcgaggg ccccgaccaa cacttgagg ggtccctgct 120
agtcagggcc ccacggccgt ggagttctga ccgttctctt agaacctcta cagaagccaa 180
gctccctgga gccctgttgg cagctctaga ttctgagtcg tctaatttgc ccaagtcatt 240
gtctttctcg cctcacttcc caaccaagtg cttagagtcac gtgagcctcg tgcctctctc 300
ggggtggacc t 311

```

<210> 232

<211> 351

<212> DNA

<213> Homo sapiens

<400> 232

```

tcgtctagct aataatccct tccttgatga cacactccaa ctctcttgtt ttctttatct 60
ccaaaaagg gttctgtaac tctcaatcca gagatgttaa aaatgtttct aggcacggta 120
tcaqtaaatc aagtaaatct catgtctctt taaaggacaa acttccagag atttgaatat 180
aaattcttat atgtgttatt gattgtcttg taacaaatgg ccccccacaa ttagtagctt 240
aaaaatagct tcatgatgtc actgtttctt ttgcctcttc attaatgttc tctacagacc 300
tatgtaaaac acttttctat atgcataatg gatagctttt ttgaggggat a 351

```

<210> 233

<211> 511

<212> DNA

<213> Homo sapiens

<400> 233

```

aagttctggat gtaaggatgg atgctctctc cacatgctgg gttgggggatg ctgggactgc 60
aaagccaccc ccagtatgcc gctccaggac ttctgggacta gggcgccaaa gtgtgcaaat 120
gaaatccag gatccctagg gaactctgaa tctcagattg tgaaaagaaa acaaatcttg 180
agactcraaa atcacccaag taaaggaaaa agtcaagctg ggaactgctt agggcaaaag 240
tgcctctcat tctattccac gtcctccccc tgaggctcac ctgcatagct gattgcttcc 300
ttcccccctt cgtttctgta aaaatgcaga ctccctgagc cagactaaat tgtgtgttca 360
gttggaaaggc gatcaagaac tcaaaagaat gcaactcttt gtctcttctc tactacaaac 420
aggaagcccc cacttaaggg ttgtccccc ttactggact gaaccaaggt acatcttaca 480
ctactcaatt gatgtctcat gtcccccctaa g 511

```

<210> 234

<211> 221
 <212> DNA
 <213> Homo sapiens

<400> 234
 caggtccagc gaaggggctt catagggtac accaagcatg tccacataac ccagggaagct 60
 cctccctca gcataggctc cgatgacctt ggtgttccac aaagggttca tcttcgagcg 120
 caggtctac atggccctgg ccagccatga atgaatagct ctaggactat agctgtgtcc 180
 atctccaga agtctctcat caatcaccat ctggccgaga c 241

<210> 235
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (33)
 <223> n=A,T,C or G

<400> 235
 ggtccaaaga agggacatct atgtgaaagt ganactgaga cagtgtgtgt cacaggtcat 60
 gctgcagaat aatcacctcc caggaactgt cagtgtgggg acccaagagg cccaggaggt 120
 gacctataac ctctccagaa agaccactct gtgtggcacc acagtcacaa cagtcttaagg 180
 aaatatttag acttaacaaat cagacacccg ctcttactca cacttacact cacagccacc 240
 aacaaatgt gcaaacatac acacacatat atatttcctg atacattcat ggaatatccg 300
 agctctgccc tgaagtctgt agtgtctctg ctccccaacc cgtgtctccc acattggcta 360
 agtccctca agagacctca g 391

<210> 236
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 236
 agtctctgtt gcccctctct tctggccaac ctggccattt ggggaattgga atatttcacc 60
 aaactctgta ctgcattgaa cattgggaagc aaataacttg gctttgatct tatagggtca 120
 ccagtggagg aagtaacctt gaagtcaga ccagattctg gactcttgag ttgatgttga 180
 aacagcttga gatttttggg gactactgag agatgataat tgtattgtgc aatatgagaa 240
 ggcactgaga tttggctggg ataggtgtga aatgacattg tttggatgtg tttacctcc 300
 aaactctttg ttgaatgtga tcttaaacgt tggctggtgg cctagtggaa ggtgttgaat 360
 cctgggcatg gactcttcat aatttgctta gctccatccc cttgggtgatg agcaagtctt 420
 tttctcttg tctccatga g 441

<210> 237
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(281)

<223> n=A,T,C or G

<400> 237

```

tcttaaaaaa ttagtgtgacc ttgttaaaaaa tgttggcgtg agcagtatat tattacctat 60
cttttttttat tgtgtgtgtgt ngtgtgtgtt ttaaaactaat tggctgaaat atctgcctgt 120
ctttttttttt asattttttt tgtttttttt ttatttttat tttgttcata ttgagatcta 140
ctgttaagtgt aattttttta tgaaaaacann nccaagtntt actctcactg ggnttgggac 240
attagatgta attgagaggg caacaggtaa gtcttcactg c 281

```

<210> 238

<211> 141

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(141)

<223> n=A,T,C or G

<400> 238

```

gtctgctctct tctcactggt tctctctatn aaaaagcctc ctgggggcag gttccttgag 60
ctgtggggatt ctgcactggt gcttnggatt ccttgatatg ttctttcaaa tccactgaga 120
attcaataaaa catgctataa g 141

```

<210> 239

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(501)

<223> n=A,T,C or G

<400> 239

```

aacaattctaa acaaatccct cgggtctann atacaatgga ttccccatat tgggaaggact 60
ctgagctttt attcccccac tatgctatc ttatcattt attatctat acacatccat 120
cttaaaatat actaaagccc ttttcccatg catggatgga aatggaagat ttttttttaa 180
ctgtctctag aagtcttaaa atgggctgtt gcatgaagg ctgcagaat tgagtccatt 240
ctcagctgctg ctctattcac atagtgatgg ggtactaaaa gtactgggtt gattcagaga 300
gtcctcttca tctgtccatt gctgctactc taanaactgag caacactctc ccagtggcag 360
atcctctgta ctactccaa aggagcattc atcccttttg tctaatgata aggaatgatg 420
cttatttgaa aacaaaactg ttgacccagg aacaagtggc ttagtctaa naaacttggc 480
cttctctana tccctgattc t 501

```

<210> 240

<211> 451

<212> DNA

<213> Homo sapiens

```

<400> 240
tgttcctgaaa ggcattact aatagaaaca cagcctttcc aatcctctgg aacatattct 60
gtccggggttt ttaatgtctg tggaaaaaaa ctaaaacaagt ctctgtctca gtaagagaa 120
atctattggt ctgaagggtt ctgaacctct ttctgggtct cagcagaagt aactgaagta 180
gatcagggaag gggctggttc aggaaaatcc ctagatctca ggaattcagt gagacccctg 240
gaaggacccg catggttaac agtctcagtg aatccacagt ctttaactcc tgcctcataa 300
agggccaggt ctcaccagta ccaagtcctt tctccatgaa gttgtgttgc ctccaggctgt 360
ctagggaaca tgcctgtct ttggtcacatg agtctgtctc cttaatttag tccctgggca 420
atccttgctt aatgtttttg ttgactcaac g 451

```

```

<210> 241
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 11... (411)
<223> n=A,T,C or G

```

```

<400> 241
aatctccagt gtgatgggtat gggggttaga gttccaatct ccagtgtgat ggtactgcag 60
cnaagagcttc aatctccagt gngatgggtat taggggttaga tcttccaatct ccagtgtgat 120
ggatccaggg tttagagcttc agcctccagt gtgatgggtat cagggttaga gttccagctt 180
ccagtgtgat ggtatcgggg tttagatcttc aatccccagt ggtggtggtt agagcttcaa 240
tctccagctt gatggtattg ggggttagagc tccaatctcc agtctgatgg tgttcgggga 300
tggggctctt aagatgtaat taggggttaa gatcataagg gacctgggtt gatggggatt 360
agtcnctttn tatgaagaga cacangaggg ctgtctctat ctctgactct c 411

```

```

<210> 242
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 242
tttcccttca caacagtaga gacccacaca ggaactttg gggactttg agatccagct 60
cctaccaga cccagctca actcaagctt cagcagcagc acttcccaag ctgtctgacc 120
acgtctccat caccatcag cacatgggaag gcccctggta tggacactga aaggaagggc 180
tggctctgac cctttgaggg ggtgcaaaac tgaatgggac cttaagagcca gaggtctgct 240
agcagctctt gttccactg ccagctctgt aagaaatggg gttgtctgag tgttggagta 300
ggggtcagag gagggagcca aggtcactcc aataaaacaa gtcctatggca c 351

```

```

<210> 243
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 243
gtctgtgctt tatcaggaaa agcacaagaa tatgtttttc taactaaaaa cctctctac 60
cttaaaaaatg gtttgctgaa cttttctatg ttttaaaat gtttttatgc ttttttttaa 120
acaggtaaaag gatggaaact aatctctcc cgagatgcct cttttgtgtt aatgcctatt 180

```

cttacaacag agaaacaagt acattaatat aaaaaagagt tgattattgg ggtataaaat 240
a 241

<210> 244

<211> 301

<212> DNA

<213> Homo sapiens

<400> 244

ggtccagagc aatagcgtct gtgggtgaagc gcctgcactc ctggggagac atgcctggct 40
tatatgctgc atccacataa ccatacataa aggtgctgac ggagccacca atggcaaaaag 100
gcctgcagct cagcattcct ccacagggctc catatacctg acctccttca cgttgggtccc 160
agccagctac catgagatgt gcagacaagt cctctcgata tttatagctg atatttctca 240
ccacatttgc agcagccaaa acaagtggag gttcctccag ttctatccca tggagctcca 300
g 301

<210> 245

<211> 301

<212> DNA

<213> Homo sapiens

<400> 245

cagacactgc tgatgtgggc cggggggggc cgaggcacaa ctgggtggccg gaccattgag 40
gcacctggag ggtaggcagc ttgtggtgca gacaccacag agagagaaaa gtccgatgga 120
gtgggtggaa caatcagggc ggacacactgt gcctagaagc ttccagggcc accaagagaa 180
tgggaagaga aactacaaca ttccacaacg aaataggagt caattcactt agaccagaaa 240
ctccagaaaag ggggagtgta ggaatctaca atttcaaaagc cagctcgtgt ctacctagag 300
ccccaaactg cataagcacc aggattgtac acctagttcc ctcaagatag tttcaagtga 360
gggtgcaatt cactcttaca gaggagggcc t 391

<210> 246

<211> 291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 11... (291)

<223> n=A,T,C or G

<400> 246

tcttccatag gggaagcagg aagttngacc agcttcagga ttggaactgc ccagggcaca 40
gggtggttaa ggtgcacaaag cttctgcaga atattcacca ggttgacaca gacctccaca 100
ttccagacta ttccaaagctt ctgggggtctt caggggcaca gaatttcttg gtcttgggca 160
tgggttccaa gtcatttgtc ctctctcatt ttggaaggtt ccatttggac ataaaaatga 240
aaggtttctg tcttncatna taataggctc cagcctgcac tgacacattt g 291

<210> 247

<211> 471

<212> DNA

<213> Homo sapiens

<200>

<201> misc_feature

<202> (1)...(471)

<203> n=A,T,C or G

<400> 247

```

aacctgagtgga atgagttatat aattttatgaa aacagaaaaag tgcttttgga aaaaaaaaaag 60
acacacaggag tacatcacagn gaacacaaaaa gactgtacca ggaggagcan accctgaaca 120
gttanaacta tggaaatcgc tatgttttgt gttgtcacag gagttaaaat aggaatatcc 180
tgcatacaat aaatatattat tggataaata actaagcctg ataccctttt caatgcgtta 240
tgcanaatnt atcatcacac cactaatota agttctcana agttaaacat tacaagactt 300
cagaacnaca tagggcgtntt tgggttcatt taacanaana aggaccatag tgatcattta 360
atctctatga gtctgtctta tctttctgga aaggggccta acaccatttc cttttgcaaa 420
aaggtagctg ccttgcttcc agttctacca tctntagca acccatcttc n 471

```

<210> 243

<211> 551

<212> DNA

<213> Homo sapiens

<400> 248

```

ccatggggtac aggaatggggg tcaggtcagt tgacctgagc ataccattta aacatgttca 60
aatgtcccca tccacccac tcacatgaca tggctccga gccctgagat ctgtatcca 120
tgaacccag ttgagaaata tttatggcag ctccactgtt gctcaagagc ctgggtattg 180
tctcagcttg ggggcaggtt gtccctaatt tctccaaagt tcttcacatc agccagaatc 240
ccatctcttg cctgtccag caaatggagg tggccctctt gctgaactgc cctctcttcc 300
agctccpaca ccctgggpcg cagttggctg ttgatctggg tcttggctcg ggaaagcttc 360
tctccagta agaccagccc ctcttcacat acactgagag gctgggtccat cagatgcagg 420
agtggtcta atgtgttgag tgggtcttgg attgtaaccc cagcgttctt ggtcttggtt 480
tcaactctct gggcttctgt aatcaccatc tgtactgcat ccataattgt gtccaactcc 540
agttctctcc t 551

```

<210> 249

<211> 181

<212> DNA

<213> Homo sapiens

<200>

<201> misc_feature

<202> (1)...(181)

<203> n=A,T,C or G

<400> 149

```

atntccagag ggaacgttaag actgggtacaa gtttacacca taagagggga cgtgggtcagg 60
cacaatgtct tcacctccac aggggctcat caggnggtc agggcaaggg cccccagcat 120
cagagctttg tttaggatac tctcttccc aaggcagctt tagcagttgc tgacctgcgc 180
g 181

```

<210> 250

<211> 551

<212> DNA
 <213> Homo sapiens

<400> 250
 tctgttagctta ggatgagctg gctctcaagc aaaagtttgt cttcctgggt ccatttgtgg 60
 tttacacttg ttattgaatg tacatcacia attaaagtct gcattgttgg acgtaagaga 120
 atgtgcccac tttggtaacc aggagatttc atgttactgg actgcctgta gtcacgtatt 180
 tctgctatga cacatccgca atgaaaaata ttaacctgag atttttctag gagatcaacc 240
 aaaataggag gtaattcttc tgcacccaaa tattcaagca actctcttc ttcatagggc 300
 agtcgaatgg tctcggaatc tgatccggtt tttccctga gcacagaga atatccctca 360
 tttcctgggt atagattgac caataaacat gacaaagtct cttgcataac aagcttctct 420
 aacaagttca ctttctctct taattttctta acttcagggt ctttttcaca ttcttcaata 480
 tacaagtcac aaagtttttg aaatacagat tttcttcac ttgataggta tttcctttta 540
 ggaggtctct g 551

<210> 251
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 251
 tgtctgtctt cccatcctgg ttactatgag tctctcttgg cagaaaggac cacagatgga 60
 gagcttggca ctgctccaa ctttgcgaa aagaggacaa ccactaaaagt agtaggtaaa 120
 aacacaaatt tagcagcagt gaaataaaaa gaggaagtga ggatggggcc aggcgcgaac 180
 tataattaaa ctgtctgttt aggagaagct gaatccagaa gaaacacaag ctgtaagtgt 240
 agagaggaca gggagcaggg cctttggaga gcaggagagg acaggctgtc accaagcgct 300
 gctgggaact tgcctgaaa gatttgaatt ggacactgtc cagtcacgtg tgtggcaaac 360
 cgtactccaa gcacttttct cagggcagag gaaggagctg ccattggctgt accctgaac 420
 gtttgtgggg ccagcgatgt g 441

<210> 252
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 252
 ttttttttgg aacaagtaaa aattttcttta tttgtgaca ataagataac ctacagggaa 60
 aactctgatga aatctattaa aaagttacta aaactaataa aagaatttag gaaggttata 120
 gaatgtacga ccaagacaca aaaatcaatt acatttctat ataatagtaa tgaacagata 180
 ctgaaatttt aaaaactaaa tcattttaca aaagtatcac aatatgaaac actccgggat 240
 aaattggata aaagatgtgc aagactgtac aaaagttaca aaacatttat gaaggaaatt 300
 ggaagataga aacaagatag aaaatgaaaa tattgtcaag agtttcagat agaaaatgaa 360
 aaacaagtca agacaagtat tggagaagta tagaagatag aaaaat 406

<210> 253
 <211> 544
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<202> (224)

<203> n=A,T,C or G

<400> 253

```

gagggagttc agtagcaaaag tcaacacctgt ccaattccct gagcttttgt cactcagcta 60
atgggaaagg aaagggtgggtg gtgcttttat ttccaggcag aagcctctgc ccatccccc 120
cnaagggtgc aggcacagtt ctcattgtgc ccttgggttg gcattcttta acagaggaga 180
aggtcttggg ggaggcagca gctttgtctt gattgctac aaactaatg cttgggtgta 240
gaaacatcat cactattaaa ttccagaaaa gcagcagcca tgttcagta ggctcatgct 300
gcttcactgc ttaagtgcct gcaggagcag cctggcgaag ccccttccct acacctggca 360
cacttgggtc tgcacaagga ttgtcaaac aaagacagct cccccccttt gattgctgt 420
agactctgga gccaagaaac actctgtgtg actctacaca cacttcaggt ggtttgtgct 480
tcaaaagtcac tgatgcaact tgaaaggaaa cagtttaatg gtggaaatga actaccattt 540
ataa 544

```

<210> 254

<211> 439

<212> DNA

<213> Homo sapiens

<400> 254

```

tggcattcag ggcagctgtt cctgcatttc ctagggaact cgggagcggc agctccggcg 60
cttggctagg agaggcgggt cccggagatc cgggcctcac ttggtccac tgtgggtagg 120
ggtgagtcct gcaaatgtta agtgatttgc tcaagggtgc catttcggag gaattggaga 180
cagggcagct cctctgagcc tatcattagg gctaaaggag tctgtgatca gaatgggtgc 240
tggagggttc caattgtctt gcttgcctgt ggggtccctg ggctctatgt gcaccccttt 300
cactatctac tggatgcagt actggcgctg tggctttgc 339

```

<210> 255

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1... (405)

<223> n=A,T,C or G

<400> 255

```

gaggtttttt attttttttt tttttttttt caattaaana ttgtatttat tcaagtatgt 60
gaaacatttc tacaatggaa atttttntta aatgctgcat gtnctgtgct atggacacac 120
cactatagag caggtgtgtt caaaaaactt gaaatgcac ttatagttta aaaaactntac 180
nctcagagg aaatcgagga aaacaattta atgtttatn tgaatccana ggngcatcaa 240
attcagagc agtccactt ggcaaatat atgtgttact tcatgggtat caaaaaaaaa 300
tgggtgggga tggataaatt caaaaatgtt tccccaaagg ngyngnggtt ttaaaaagtt 360
tcaagncaca accttgcac aaaaactga tgcacaacac atnga 405

```

<210> 256

<211> 209

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)
 <223> n=A,T,C or G

<400> 256
 gggganytct ggtctctctc ccacatgtca cactctctctc agctctctcc ccaacctgtc 60
 tctctctctc cctctgctct agccagggga cagagtctag gaggagcttg gggcagagct 120
 ggagycagga agagagcact ggacagacag ctatgggttg gattggggaa gaggttagga 180
 agtaggtctt caaagacctt ttttagta 209

<210> 257
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(343)
 <223> n=A,T,C or G

<400> 257
 tctggagacc ataactcctt ttaagtggtt ggatgggtca acctctctcc ttgacaagct 60
 gggcttaagtc aataggttga ctaggatcaa cagaccccaa atcaataaga tacttgagtc 120
 tattgagact caaaggctta tactgggttc tgaaactatg tctcttggtt aacctgtatt 180
 ttgggatttg gatgtaaaat ggagtctggc ctctctcaaa gctcaaggcg ggcggggttc 240
 ctcttggtct tctctcttta tggctctctc cacattttct acctctctct cagactcttg 300
 gctctctctt nggtttcttg gagtcgggat tgggtcttaa gtn 343

<210> 258
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 258
 ggggtctctg acctctagaa gactaaggct ggtctgtggt ttgtttgttg ccaacctttg 60
 gctgacccc agagaacctg ggcacttgct gcttgatgct caccctctgc agtcattctt 120
 cctctctctc agggggaggt gggatgtgag acagcccaaa ttggaaaatc cagaaaaatg 180
 ggaacagggg ttgctctctc asaattctac tctccagatc ctctctctctg gatcacaggag 240
 accacacggg caggacctta agatctgggg aaaggaggtc ctgagaacct tgaggtaccc 300
 ctacacctct tctacccaa tttctatgg aggattccaa gtcaccactt ctctcacctg 360
 ctctcaacag ggtccaggac taagggtttt tctccatagc ctcaacattt tgggaattct 420
 cctctctctc ccttgctctc tctgggtgct ctgggaagat gactggcaga gacctcttg 480
 ttggtttctg tgttttgatg ccaggaatgc cgtctagtt 519

<210> 259
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 259

```

attgtcact atatatcac tagtgaggaa taaaatgcac acaaaacaat ggatagaata 60
tgaaaatgtc ttctaaatat gaccagtcta gcatagaacc ttctctcttt ccttctcagg 120
ctctccagct ccatgtcacc taaccacatt aacaaaagtg gaggtatgc cccagagggc 140
cgtcttaca actccatttc caaaagtcat cccagaaga catgtatttt ctatgatttc 240
ttttaacaa atgagaattt acaagatgtg taactttcta actctatttt atcatagtc 300
ggcactctt tccatctag aagggtaga tgtgacaaat gttctctatt aaaaggttg 360
ggtgggttg a 371

```

<210> 260

<211> 430

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(430)

<223> n=A,T,C or G

<400> 260

```

tgggatttct tgacttgoga ttcagttttt ttactttttt tttttttttt ttttganaaa 60
tactatcttt attgtcaaaag agtgggtacat aggtgagtgt ccatcttccc tctcatggcg 120
gtatactctg cctcgtctgtt ccagtaaaag ttttcgtag ttctgaacgt ccttgacca 180
caccataana caagcgcaag tcaactanaa ttgcactgg aaaaactggc caactatcat 240
ttgaggaag actganaaag cttatcccaa agtaatggac atgcaccaac atcgcggtac 300
ctacatgttc cggctttctt gccaatctac ctgtgtttcc aagataaatt accaccagg 360
gagtcaattc ctgtatgtg aacaaaaaac cggctttctt ctggaggtgc ttgactactc 420
cttcgncgagc 430

```

<210> 261

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (173)

<223> n=A,T,C or G

<400> 261

```

ctcgaacat agccatggt gtaccactta actatgattc tattccaaact gttcagaattc 60
atatcnaaa atgacttgta cacagttagt tacaacgact cccaagagag gaaaaaaaa 120
aaaaaaacg cttcaaaatt tactcaactt ttgagacagc aatggcaata ggcagcanag 180
aagctatctt gaaactgagg gcaatataca ttgaagatgt cacaggagtt taagagacag 240
gttgaaaaa atctcatact aagcaaacag tagtatctca taccagcaa aaccaagtag 300
tctctgttca gcttgccgt aacagatctc acaatcacca actgtgcttt aggaactgtc 360
caaaa 365

```

<210> 262

<211> 500

<212> DNA

<213> Homo sapiens

<400> 262

```

cttagatgtc atttggggacc cttcacaacc attttgaagg cctgtttgag tccctgggat 60
atgtgaactg tttctatgca taatggatat tgggggttaa caacagtccc ctgcttggtc 120
cttatttga atctttttct ttcacatagg ggtgcttgaa ggggtggctga tgcataatgt 180
amaatggacc ccagtgtaaa gcaggtacaa ttaggagtgg atgtgtcttg tagcatccta 240
cttaaaataag cctattttat cctttggccc gtcaactctg tctctgtctg cttgtactgg 300
tgcctgtact tttctgactc tcattgaaca tattccacga ccacggcttg catccattac 360
ctgactctac cttacatgtc tagtctgtgt ggttgggtgt gaataggctt ctttttacat 420
ggtgtgtgca gccaggttaa ttaatgggtg acgtggactt ttaggcaagg ggtccactgg 480
aagagactga acctggcatg
500

```

<210> 263

<211> 413

<212> DNA

<213> Homo sapiens

<400> 263

```

ctcagagagg ttgaaagatt tgcctaagaa agggacagtg atgaagctaa gctctagatc 60
caggatctct gacttcaaat tgaaactccc aaagtaatga gtttgggaagg gtgggggtgt 120
gctcttcag gatgggggtc tttctgtctc ccagcggata gtgaaacccc tgtctgcacc 180
tggttggggg tgttgccttc ccaaaaggctt tttttttagg ccgtctgctg ctttctggat 240
taggcattat tatctttact ttgtctccaa ataacctgga gaatggagag agtagtgacc 300
agctcagggc cacagtggga tgaggacat cttctcactt ctttcaatgc aggaagaaac 360
gtagagttac gtgggaagtgg tccacaacta ccgccaagac atttgtgaatg aca
413

```

<210> 264

<211> 524

<212> DNA

<213> Homo sapiens

<400> 264

```

tccaatgggg ccttgagagg ttggaacagga actcacactc tggcacttgg agcaaaaacac 60
cattccaccc cactcactgt ctgtgcacct atgttcaaac tttctccaca gttccccaat 120
gaagaagctt cattccataa gttctgtggt cctgaagaag tcttgcatt ccacagaagg 180
gacactctgg agaaggctcag cgtgcattgc cctgtgtttg actacgttcc ccagagctc 240
attacccctt tctctcccaa cattgttggg aatgcacctt cctacatcta ccgcttgatg 300
agtgaactct accatcttga tgatcatgtt tctgaccca ccacacgtgt cctaagcaga 360
tggctcagtc agatcacaga tgaagaggag acttgagtgt tctgtgtgaa gcacatcctt 420
gtaactgtgg agtgcacagg agtccaccta aaaaaaaaaa tctttgatac tgttgcttgc 480
cttctccttc accttgtaac aagggcacac atccaggact gtgt
524

```

<210> 265

<211> 744

<212> DNA

<213> Homo sapiens

<400> 265

```

tctttctctt cacttcagga gatgattcaa agttacttgt ggacatttct ttaagttctg 60
aagacaaatg agacaggatt tggcttgagg gttcttcaga cttctctacc acctccatta 120

```

```
actcttcata ttgggttgac gtaggpaatg caatattttg ctcttttggt tctggagatg 180
accagacacc actcttttct cttggggggg ttctaagtgt gtctttgaat accagtgaag 240
actcaggcct atcctgtact ggaaagggac taaatttgct tttctgtcta ggaggtgatg 300
cagtagcaco ctcttgaggg ggtaaggcca tttctcttct ttga 344
```

<210> 286

<211> 210

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 179)

<223> n=A,T,C or G

<400> 186

```
cccaaatgtc cataaactga gcaggctttg gcacccacc acccccttca gaccaataga 60
cactatgttg gaggaacnac tttaaaatgt aaaatgagaa atgggcactg aacactccat 120
ctcactacc aacagccac ccacacacct ctccaactgc tatccaaaca tggaggagct 180
ctgtgggaag agaggctcaa caccaaataa 210
```

<210> 287

<211> 248

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 41)...(239)

<400> 287

```
tcggnctcc caccctctna ctgaaattct atgaaattct cccctttggg atgaggatgg 60
caacccctgg catgtacct cccaaacttg gaccagact aatacctaa catcttgtg 120
aacgtggttg tctctgttgg gcagggtctc caaagacat cgagccagat tcaggcagag 180
tggaacttgc ccttcagcca tcagtggagg tggcctggga ggcctctacc tgaacggg 248
```

<210> 288

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 459)

<223> n=A,T,C or G

<400> 288

```
tctccaagga catgcccctt gatagaaaat cagtctctgt ctccagttcc ctctggacc 60
tgatccccc aatgcagggc ctgggactat atccagttcc ttaatttcag aggcccatgc 120
acaagatgca cagcaaatga gtgctgaata aagaaccagc tactgctaga ttaacctgct 180
ccaaacattc accaagtctt cagcaaaagag ggccatccat tcaactcttc taaaaacaca 240
```

```

ctgagctccc cagtctatac cccaagatat gcttggtccc caactatccc tctctctca 300
cttccaagcc agtttccctt ttctaagtat actgatatta ccaagacac tgacaatttt 340
ctttccctac ctctcccag tgactagggtt tgcagcagga gctctataag tcttagtata 420
cagcagaagg ccataaaatg tgtgtgacc taacattang c 461

```

<210> 263

<211> 434

<212> DNA

<213> Homo sapiens

<400> 263

```

ctgtgttggt gagcaccgat tccactcaa tatggggtgg cttacagttt tcattagggt 60
ctcgctccca accagaatga ggaatgatca ctccatctgt caagggcatgc agtgcattgt 120
cctacatctc cattttgatt gagtcattgg atgaaagatt ccacaggggt cgggtaataa 180
cttcagtaag gtccatatac cagagctttc gaagcaatcg cacaagggga ggcacacctt 240
cacagtcttt tatggcaatc ttgttatctt ggtcaggtcc aaaagagata tcttgagag 300
ctccacaggg ccaagggtgc acttcttttt tgggatggtc taacaatccc accagtactg 360
ggatgccttt gagctccgcg agtccagttt tcaccttgtc attggggtag cataagtggt 420
gtaaggtctg aaga 434

```

<210> 270

<211> 156

<212> DNA

<213> Homo sapiens

<400> 270

```

ctgacacagc gattaccagt ggcattccaa tactgtgtga ctaaggattt tgtatgctcc 60
cagtaataac cagaatcaga caggtatgag ctajtcacaa gcaagtcttt gttggattcg 120
actaggctca ggtctgtgtg aaggctggag gagtta 156

```

<210> 271

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1)...(533)

<223> n=A,T,C or G

<400> 271

```

ccattgtcac ggtctgtctg acatttactg ccaaacgcac ggcaaggaaa aactgcttag 60
tgaagaacct agaagctgtg gagaatttgg ggtccaggtt caccatttgt tctgataaaa 120
ctggaaacct gactanaaac cggatgagag ttgtccacat gtgggttcgat aatcaaatcc 180
atgaagctga taagacagag aatcagagtg gtgtctcttt tgacaagact ccagctacct 240
ggcttctctt gtccagaatt gcaggtcttt gtaacagggc agtgtttcag gctaacccag 300
aaaacctacc tattctttaag cgggcagttg caggagatgc ctctgagtcg gcaactctta 360
agtgcacaga gctgtgtgtg ggtnnagtga aggagatgag agaaagatac nccaaaatcg 420
tcagataacc ctccaactcc accaacaagt accagttgtc tattcataag aaccccaaca 480
catcggagcc ccaacacctg ttggtgatga agggcgcccc agaaaggata cta 533

```

<210> 272
 <211> #30
 <212> DNA
 <213> Homo sapiens

<400> 272
 tgggtattttt cttttttttt tggatgtttt atactttttt tttttttttt ttctctatct 60
 ttctcttctg cttctcgtac ttctgtcttc cagtttttca cttcaaaatt ctatctttct 120
 caaattgttt catctacca ctcccaatta atctttccat ttctgtctgc gtttagtaaa 180
 tgggttaact aggttttaaa tgaaggcaatt ctctctgggt catggatttc aaggtctttt 240
 aatcaccttc ggtttaattt ctttttaaaa gatcggcttc aaattatttc aatcacctac 300
 aacttttaaa ctaaaattta agctgtttta gtccacttca ttttaattca aaagcattgc 360
 ccttctattg gtattaatct ggggtctctg agtcttttct ctcaattttt ttttaaatad 420
 attttttact ccatgaagaa gcttcatctc aaactcggtc atgtttttaga aaacttttat 480
 ctctcccttc ctcatgctac tttcttaagt ctccatattt tctcttaaaa tcttaagcta 540
 ttaaaaattac gttaaaaaact taaggttaag caatatctta gtaacctatt gactatattt 600
 ttttaagtagt tgtattaatc tctatctttc 630

<210> 273
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 273
 ctgggtttgc cctccagttc attctgaatc tagatttgc cagcctaatt aagttctctg 60
 aaaaatagaa ggcacacagg ttcttttggg atcatccaca agtgaggggt acacagcatt 120
 taaaaccttg taccagcttc ctcatgttac agaggaacga ccacagaagg aaccaattga 180
 ctgatttcag gcaacaattt ctttaaatad agacagact acagcatcat catcccttcc 240
 tgggtggtct cagctccaag tatttcaggc tgggacaagg aaacttttac atagcagtgg 300
 aatttaagta aatgcagctc cattccaatc catgcaaaag gtgttcaata tgaatgcctc 360
 agttctctct gttaatgaac cagaaaattt aaaaacagaa 400

<210> 274
 <211> 351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)
 <223> n=A,T,C or G

<400> 274
 ttttagtatg tccacagaaa ggtgaagaaa ggggaaaaga aattagaaga gaatccatat 60
 gacttttatg ctgggagcat tctcatttga gaggcacaga atcaacctat agacaaagca 120
 ctggaagactt atgaacgctt tgttgctcag ttccccagtt ctggcagatt ctggaaactg 180
 tactttgaag cagagggtac tattttattt tattttttct tatatcagta ttgcagcatt 240
 cactgttctg atagaaaaaa agttaggaac atagccaatt aggacaagga ggattttaat 300
 gtgctctacc ttatattttg taaaataggta taaggagta attaaaatga a 351

<210> 275

<211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(381)
 <223> n=A,T,C or G

<400> 275
 gnnngggtgcg nnnngagggtc tgagaagccc ataccactat ttgttgagaa atgtgtggaa 60
 tttattgaag atacaggggtt atgtacggaa ggactctacc gtgtcagcgg gaataaaaact 120
 gnncaagaca atattcaaaa gcagttttgat caagatcata atatcaatct agtgtcaatg 180
 gaagtaacag taaatgctgt agctggagcc ctttaaagctt tttttgcaga ttggccagat 240
 ctttaattc catattctct tcatccagaa ctattggaag cagcaaaaat cctggataaa 300
 aacgtaagtc ttcattgcctt gaaagaaaatt gttaagaaat ttcattctgt aaactatgat 360
 gttctcagat agtgataac a 381

<210> 276
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)
 <223> n=A,T,C or G

<400> 276
 gcttcagcttc cggcggggacc tgcctggagg aatggcgccg ccggggttcaa gcaatgcttc 60
 ctgtgtggcc ctgacaatca tagccagcac ctgggctctg agccccactc actaacctac 120
 caagcagcac gtggagagac taaaagccctc gctggatcgc ctttcacaa atttgggaatc 180
 tgcctctcac tccatcgtgg gactcagcag ccttggctgc caggtgcacg atgcaaaagaa 240
 agtatgtaac tacatcagat ctaaccttga tcccagcaat gtggattccc tttctcagc 300
 tnnccaggcc agccaggccc tctcaggatg tgagatctct atttcaaatg agacaaaaga 360
 tctgtctctg gcagacctcg gtcggagaca 376

<210> 277
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 277
 tgggacttc tggggtagga gtttgtctgc tatctccagt tccacagacc caaccagtta 60
 cgtatgtttt ggaaccattc tggcgggatt cgacatcatt cctataatg atctggccgc 120
 actggagcgt gttcttcagg atccaaatgt ggctgcgttc atggtagaac caattccagg 180
 tgaagcagcc gttgttgctt cggatccagg ttacctaatg ggagtgcgag agctctgcac 240
 caggcaccag gttctcttta ttgctgatga aatacagaca ggattggcca gaactggtag 300
 atggctggct gttgattatg aaaatgtcag acctgatata gtctctcttg gaaaggccct 360
 ttctgggggc ttataccc 378

<210> 275
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 275
 ggaggggaca ttcttttttca cctcagagtc ggtcggggaa ggcaccccag ataagatttg 60
 tgaacaaacc agtgatgctg tctttgatgc ccaccttcag caggatcctg atgcacaaagt 120
 agcttgigaa actgtttgctt aaactggaat gatcctttctt gctgggggaaa ttacatccag 180
 agctgctgtt gactaccaga aagtgggttg tgaagctgtt aaacacattg gatatgatga 240
 ttcttcacaa ggttttgaat acaagaattg taagctgctg gttagccttg agcaacagtc 300
 accagatatt gctcaaggctg ttcatcttga cagaaatgaa gaagacattg gtgctggaga 360
 ccaggg 355

<210> 275
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 275
 cctaagaaat gagactttgtg acacaaggcc aacgaacctaa gattagccca gggtttgttagc 60
 tgggaagact acaacccaag gatggaaggc cctgttcaca aagcctacct agatggatag 120
 aggaacccaag cgaacaaagat atctcaagac taacggccgg aatctggagg cccatgaacc 180
 agaacccaag aagyatagaa gcttgaagac ctggggaaat cccaagatga gaacccataa 240
 ccttacctct tttctattgt ttacacttct tactctttaga tatttccagt tctcctgttt 300
 atcttttagc ctgattcttt tgagatgtac tttttgatgt tgcgggttac ctttagattg 360
 acaagtctta tgcctgggca gcttcgagcc agctttaaat cacagctttt acctatttgt 420
 taggtctatag tgttt 435

<210> 280
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 280
 cctggatgag ctgttaactg agcacaggat gatctgggac ccagcccagc cactccgaga 60
 cctgactgag gcttctctgg caaagaagga gaaggccaag gggagccctg agagtagctt 120
 caatgatgag aacctggcca tagtgggtgg taacctgttc ctgcgcggga tggtagaccac 180
 ctccacacac ctggccttgg gctcctctgt catgatctta cacttggatg tgcagcgtga 240
 gcccagacct gtccggggcg ccgcttcgaaa ttccagcaca ctggcggcctg ttactagtgg 300
 atccagacct cgttaccgaag ttggcgtaat catggctata gctgttctct gcttgaaatt 360
 gttatccttc cacaattcca cacaacatac gagtcgggaag cataaaagtgt aaagcctggg 420
 gtagctcttg agtga 435

<210> 281
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 281
 catctgatct ataaatgggg tggcatcgac aaaagaacca ttgaaaaatt tgagaaggag 60


```

ggtggtgaga tgggaaaggg ctcttccaag tatgcttggg tcttggataa actgaaagct 100
gagcgtgaac gtggtatcac cattgatata tcttcttgga aatttgagac cagcaagtao 140
tatgtgatta ccttctgatgc cccaggacac agagacttta tcaaaaacac gattacaggg 240
acatctcagg ctgactgtgc tgtcttgatt gttgctgctg gctgtgggga atttgaagct 300
ggtatctcca agaatgggca gacccgagag catgccttcc tggcttacac actgggtgtg 360
aaacaactaa ttgtcgggtg taacaaaatg gattccactg agccctctac agccagaaga 400
gatatgagga aattgttaag                                     440

```

<210> 282

<211> 500

<212> DNA

<213> Homo sapiens

<400> 282

```

tttgtgggac aggagccccc tccccgggca gctctgacgt ctccacccga gggactgggtg 60
ctctctggag ccccaactcc ccagactccg gtggaaagtg cgtggacctg gatccactg 120
atggcaugct cttccccaga gatgggttttc gtgactgcac gaagggggat cccaagcacg 180
ggaaagcgga acgaggccgg ccccgaaaag tggacaaaga gtactgggac tgtctcgagg 240
gcaagangag caagcacgcy cccagaggca cccacctgtg ggagtctatc cgggacatcc 300
tcatccaccc ggagctcaac gagggcctca tgaagtggga gaatcggcat gaaggcgtct 360
ccaaatttct ggtctccgag gctgtggccc aactatgggg ccaaaaagaaa aagaaacagca 420
acatgacata cagaaagctg agccggggca tggagtaact ctacaaaagg gagatcttgg 480
aacgggtgga tggccgggga ct                                     500

```

<210> 283

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1... (433)

<223> N=A,T,C or G

<400> 283

```

ccatattaga ttactggaac atctaagcat cagtgtgtga ccattgogaac aaaagacttc 60
ggggagtgct tatctttaaa aaggtttatg tgtgtcgagg cagttgtaaa agatttactg 120
cagaatcaan cccactttta ggcttangaac caggttctaa ctatctaaaa atattgactg 180
anacacaaaa ggtttctaaa tgtggctatt ctgatccata ntctgttttt aaagaaaaaa 240
antgnttata cagaaagagt ntaaaagtto tgtgaattna atgcataatta gncncantc 300
ttgacttccc aaanacttga ttnatacctt tnactctnt ctttctctgn ncttctttaa 360
ncttcttct tnggnagtnn anggcctctn gnanaacacc ntctnctgt cctcgcacac 420
cctctgttct nan                                     433

```

<210> 284

<211> 470

<212> DNA

<213> Homo sapiens

<400> 284

```

tctggaagga tcagggatct gagcaaagcc aagtttactt aagctaagcc acttgttctt 60

```

```

gggtcaagca gtttgttttc taataagcat cattcttgat cattagagca aagggatgaa 120
tgctctcttc ggaatgatac aggggatctg ccactgggag agtgttgctc agtgttagag 140
tagcagcaat gacagaatga cagcgactct ctgagtcacac ccagtacttt tagtaccctg 240
tcactatgtg aataaaaggca gctagaaaat ggactcaatt ctgcaagcct ccattggcaac 300
agcccatatt aagactttta gaacaagtta aaaaaaaatc tccattttcc atccatgcac 360
gggaaaaggg ctttagtata gtttaggatg gatgtgtgta taataataaa atgataagat 420
atgcatagtg ggggaataaa gcttcagagt ccttcagta tggggaatcc attgtatct 470

```

<210> 285

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(435)

<223> n=A,T,C or G

<400> 285

```

ttttcttttc tttttttttt ttaataaaaa tgcataaatt tattccattg tataaaaaag 60
tcattccctat gtaacaaaaat gtnttccttan aaaaanaaat atattatttc aggtcataaa 120
tattccagcaa acatataaact gttgggaact aaaaaaaaac ccaacactgg tattttccat 180
cagngcngaa aacaaaactg cttaaanata tatttcacag gatagtcacg tntccaaaaa 240
caaaaaatga ggtatttttg ttctcttagg agtagacaat gacatttttg gangggcaga 300
cctctnnccc aaaaaataaa ataagggnat ntctctcant atngaanann gggggcgccc 360
cggggaaaaa naaaacttgg gnnngggggt tgggcacaag ccttgaaaaa aaantttntt 420
tccccaaaaa aacng 435

```

<210> 286

<211> 301

<212> DNA

<213> Homo sapiens

<400> 286

```

cttgggtttct ggtgggctct atgaatccca tgtagggttg agacgtact ccattctctc 60
ctgtgagcac caggtcaacg gctccgggac ccattgcacg ggggagggag ataccctcaa 120
gtgttagtaag atctgtgagc ctgggtacag ccgacctac aacaggaca agcactacgg 180
atacaattcc tacagcgtct ccaatagcga gaaggacatc atggccgaga tctacaaaaa 240
cggccctgtg gaggaagctt tctctgtgta ttgggacttc ctgctctaca agtcaggagt 300
g 301

```

<210> 287

<211> 432

<212> DNA

<213> Homo sapiens

<400> 287

```

tccagcttgt tgcaggtatg agaaccggca ttgatgacat tgaacggcgg gactggcagg 60
atgaattcag agttggcagc caagtacagc atgtggcggt acagggggac ccccttctca 120
acggcaccag ctttgagac ggcaagggac accccagaa ttgggttcgc accaaactta 180
gatttatttt ctgttcacac catctcgatc atcagtttgc caatcttctc ttgtttctgt 240

```

```

acgttcagtt ttttggttaa cagggcaggg gcaatagttt tattgatgtg ctcaacagcc 300
tttgagacac ctttccccat atagcgagtc ttatcattgt cccggagctc taggggctca 360
tagataccag ttgaagcacc actgggcaca gcagctctga agagaccttt tgaggtgaag 420
agatcaacct ca                                     480

```

```

<210> 288
<211> 326
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (254)
<223> n=A,T,C or G

```

```

<400> 285
tttgggtcga gtcaaaagtc tggctctctt ctccgctctc ttcttcatca tagtaataaa 60
cgttggtcccg ggtgtcatcc ttggggggga gtaagggctc ttggaccacc gctctctctc 120
gaagaaacag caagagcagc agaatcagaa ttaggaaaag aagaattctt ccaagaatcc 180
ccagaatggc aggaatttgc aatcttgctt cgacaggctg tgccttctta cagacggcgg 240
gggccccctc acatccacac aggtcgacct cttaagtggt cacttggtct ctattctggt 300
tttccatgag cttgagattg attttg                                     326

```

```

<210> 289
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 289
gtcccggtgt ggtgtgccc ttggtctgtt ggggtcactt agccaagatg cctgaggaaa 60
ctcagaccca agaccaacc atggaggagg aggaggttga gacgttcgcc ttccaggcag 120
aaatttgcca gttgatgtca ttgatcatca atacttctta ctccaacaaa gagatcttct 180
tcagagagct cattccaaat tcatcagatg cattggacaa aatccggctt gaaagcttga 240
cagatccacg taaatttagc ttggggaaa agttgcatat taacctata ccgaacaaaac 300
aagatccgac tctcactatt gtggatactg gaattgggaat gaccaaggct gacttgatca 360
ataaccttgg tactatcgcc aagtctggga ccaaaaggct catgggaagct ttgcaggctg 420
gtgcagatat ctctatgatt ggacctcggc c                                     451

```

```

<210> 290
<211> 494
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (421)
<223> n=A,T,C or G

```

```

<400> 290
tttttttttt tcaaaaacgt atattttatt ttacaatagc aaccaactcc ccagtttggt 60
tcaattgtga catctagatg gcttaagatt acctttctgt ggtcacccat gctgaacaat 120

```

```

atTTTTcaat cttccaaaca gcaaagactc aaaagagatt ctgcatttca catcagttca 180
caagttcaag agtcttccat ttatcttagc ttttggaata aattatcttt gaggtagaag 240
gacaatgaag aagccactta attccttggt totgcataaa agcagattta ttcacacaa 300
cttcatttat gtgaataaaag cagatgatga taaaatgttc tcttattctt gttcaatcag 360
tagtggtagt gatgcagaa atttgtaaat gcacttcaaa ccaattgtgg ctcaagtga 420
ngtgggtccc caaggctggc accaatgaga ctgggggttg ggaattagtt ggtcatcato 480
ctcctgtgtg ccca 494

```

<210> 291

<211> 335

<212> DNA

<213> Homo sapiens

<400> 291

```

tcgggtggtt aacatgaaaa caaaactttgt gctgttttgt tcattgtatg cattgatgga 60
gtcttggttc tcatcatggg gtgtctgacc atccaaacctg cagtactcat aattctctca 120
catgcaatlaa tcttccaaaa tgtccaatad ccttgctcatt tgaactgaaga ttagtactcg 180
tgaacttgtt tcttttaact tagggagcag cttgtctaaa accaccattt tggccactgt 240
ggtaactaga tgcatacttg ttgtataagg tggaccaggt tctgtctcat caaagagata 300
tggatganta caacatcttc tcaactgcac taggatgttc aataacctca ttttgtccat 360
cttgactagt gagttagagta tatctatata cttcattaat atccagatat accattcccc 420
ttgnattttg ctgaggccca catagatttt tacttctctt tttggaggca aactctcttc 480
aacatcagcc ttaattcgac gaaggaggaa tggacgcaaa accatatgaa gcttc 535

```

<210> 292

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 41... (376)

<223> n: A,T,C or G

<400> 292

```

tannagctcg tcttgatoga gatcctggtg gaggtgatgg atccttcttc cgtgtgcttg 60
ttaaattgag cctgccccct ggccacaaag cctctgttgg gaactgagaa gtgtatatgg 120
ggcccaactt actgggtgcca gaacacagag acagcagccc agtgcaatgc tgtcgagcat 180
tgcnaacccc atgtgtggaa ctaggaggag gaatattcca tcttggcaga aaccacagca 240
ttgtctcttt tctacttgtg tctctggggg aatgaacgca cagatctgtt tgactttgtt 300
atnaaactag ggctccccc cctcccccat ttttgtgtcc tttattgnag cattgtctgt 360
tannagctcg ccccta 376

```

<210> 293

<211> 310

<212> DNA

<213> Homo sapiens

<400> 293

```

tcgggtggtt cctggctctg cgggggatggg tttgttttgg aaatccctca ggaggctcct 60
cctcgcatgg cctgcagctt ggcagcagcc ccagatttgtt tctctgtga tgcatttctt 120

```

```

tctccaggt agagttttct ttgattatgt tgaattccat tgcctctttt ctcatcacag 180
aagtgatgtt ggaatcgttt ctcttggttg ttgattccat ggttttttta agtataaaca 240
aaagttttct attagcattc tgaaagaagg aaagtaaaat gtacaagttt aataaaaagg 300
ggccttcacc tttagaatag
320

```

<210> 284

<211> 359

<212> DNA

<213> Homo sapiens

<400> 284

```

ctgtcataaa ctgggtctgga gttcttgacg actccttggt caccaaatgc accatttctt 60
gagacttggt ggctctctcg ttgagtcac ttggctttct gtcctccaca gctccattgc 120
cactgttgat cactagcttt ttctctgccc cacaacctct tggactgttg actgcaatgc 180
aaactgcaag aatcaaaagc aaggccaaga gggatgcca gatgatcagc cattctggaa 240
tttgggggtg ccttatagga ccagaggttg tgtttgtccc acctcttga ctcccatgtg 300
agtgtccacc tgattccagat ccattgagtg tatgggaccc cccactgggg tgggaatgtg 359

```

<210> 285

<211> 584

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (559)

<223> n=A,T,C or G

<400> 285

```

cttgagttgg gctgactgcc agagacagac cctctgggtg ctgggtgaac cagccaggca 60
tttaaccacg tgggtggcac ctggaacctg tccagggccc tccctgact gaggagccgc 120
ctggcagtga agtaattgtc caggtctatg ctctgggtg ggataccata gccatccaag 180
gtaactctca ggttgctgaa ctgggtctga gtataggcag aactgggccc caggatgac 240
tccgggagtg ggggaagctg tgaggtcagg taagtatcca cgtccacccg taccccaatc 300
aaactcagca gaatggctga ctggagaagt ccttcggtta agtatctctt cagagaaagc 360
attgctgaag gaccagaatg ttatgtctt ttggttttta aaatcttcca aaagacaaat 420
caaggccact gctctgcgcg tccagccagc aggttacct cctcagtgct aaaccccgta 480
ccacacacct gcagaacaca agggatgagc tccctgacgg cctcagagga aagcacacc 540
tgtggagcca agggcaanga cacactccag accacattca cttt
584

```

<210> 286

<211> 287

<212> DNA

<213> Homo sapiens

<400> 286

```

ccttatcatt cactcttagc tcttaattgt tcaatttgag ctgaaatgct gcattttaat 60
tttaaccaaa acatgtctcc tatcctgggt ttgttagcct tccctccatc cctttctaaa 120
caagatttca aagacatgta ggtgtttgtt catctgtaac tctaaaagat cctttttaaa 180
ttcagtccta agaaagagga gtggttgctc cctaagagtg tttaatggca aggcagccct 240
gtctgaagga cacttctgc ctaagggaga gtggtatttg cagacta
287

```

<210> 297
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 297
 ccaattgaaa caaacagttc tgagacogtt cttccaccac tgattaagag tgggggtggca 60
 ggtatttggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ctagcttcag cagccttcct gccactgct ttgatgacac ccacggcaac tgtctgtctc 180
 atatcaggaa cagcaaaagg aaccaaaagg ggatagtctg agaagctctc aacacacatg 240
 ggtctggcag gaacatata aacaatggca gcataccag aattcaagaa tttaggggca 300
 tctccagct tttaccaga aaggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gaaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttccagg taatcacctg agcagtgaag ccagacc 457

<210> 298
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 298
 cctttgactt tctttgtcta cctcctctgg agactcaca tctccaggt tccatgctcc 60
 cagagacttc aatgattcct gattctcttc ttcaggagt ctgaatgtct cttgggtccac 120
 ttcacagac cccagtgggt cttgaatttc cttttctaga ggattcattg ccccttgatt 180
 tcttctcttc ggagtccaca gtgggtgcttg agttctgga gatttcagtg tttccaggtt 240
 ctctgtccc gcagaattca gtgattctag gatctctgtt cctaaagatt ttactgcctc 300
 tatgctctct tctttgagtg aatttaagaa ctcttgatcc cctttttcaa gaggtctaga 360
 tctctctctg tcaagagact ccagtggctc tagatccact tttctctggg gtcttaatgt 420
 cctctgctcc tctccctcta gagactccg tcgtctgtga gtctctttt 469

<210> 299
 <211> 165
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 11... (165)
 <223> n=A,T,C or G

<400> 299
 tctctgacaga ggatgaggtt gagggaggtg gggtaatctg cagctctgac cttaggtaga 60
 gtcctcaca gaagratcaa atgggattgg cacatatgga ctcctttcac aggcacacat 120
 gatggtcttc tctctggggc tggncgggtc tgcacagttg gggta 165

<210> 300
 <211> 506
 <212> DNA
 <213> Homo sapiens

```

<400> 300
tctgaggaaa gtttggggtt attagtatctt gctccagcga acctccaagt tttctccatt 60
ggggacaaag taactaccag ctcttgggt cagtggttg cctccactca gaagttccca 120
gtagggtctg tcattattgt tggcacatag ggcctgaata caggtgatat agggccccc 180
tgagggtctc tccattgtga aacccaaatat agtatcttc atttctggg cttctccat 240
caccttgagg aagacagaac ctttagcac agtgacattg gtgaaatatg tttcattgat 300
tctcacagag taattgacgg agatatatga ttgtgagtca ggaggtgtca cagttatagg 360
ctccacaggg gagatgttga agttacctga agcagagag caagaagagt cttgttaat 420
atccaagag gtcttccca ccagggcagg taagacctgg gctgcagcgt ttggatttgt 480
gaatgtctct tgagaaattt cagtga 500

```

```

<210> 301
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(304)
<223> n=A,T,C or G

```

```

<400> 301
tcttaaggga gagcccccac cactccaggg tctccagttc ccttagccgt cttactcaac 60
tgcctctctc ctctccctca gaatttgtgt ttgctgcttc tatcttgctt tttgtttttt 120
ctctctgggg gggtctagaa cagtgcctgg cacatagtag ggctcaata aatatttgtt 180
tgttgaattt ctctctcttc tttccactct gggaaaacta ngntcttgcc attctgggtg 240
acctgtatt tntttctggg gcccatccca ttgncacagn caatacttcc ctttaaaaat 300
cttc 304

```

```

<210> 302
<211> 492
<212> DNA
<213> Homo sapiens

```

```

<400> 302
ttttcagtaa gcaacttttc cactgtctta atgtattctt ttttagtagg aatccgggag 60
tattagattg aatgggaaaag cacttgccat ctctgtctag gggtcacaaa ttgaaatggc 120
ctctgtatca cacaaggagg tcttgtgtat cctgggcaac agggagtctt cttattccat 180
ctttatttgc tgtgttttaa gttgcacaac tccctccca ataaaaattc acctacacct 240
cctgcctttg tagtctctgt attcacttta ctatgtgata gaagtacat gttgctgtca 300
gacacaaagc attgtttttg gcaaatataa gtgcattgtc tttcttaata cactagaaag 360
gcaaatataa ttaaaagtaa caagtccaag tctaaaaact tagtactttt ccatgcagat 420
cttgcacat gtgagagggg gtcacgtttg tctagtgatt gttatttaga gatttggaac 480
actatttgtt gt 492

```

```

<210> 303
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<400> 303

```

```

tctggggcag caggtaactcc ctacggcaact agtctacagg gggaaggacg ctctgtgctg 60
gcagcgggtgg ctccatagggc ctgtctgcac tgtaacccaca ggcctgggatg tagccaggac 120
ttgggtccccc tgggaagacag gtctgatgtt tggccaatcc agtccttcag acctgacctg 180
aaacttgtat ctacagtgaa cttaaagaat aaaatgcatt tctaccccga tctggccccc 240
aggactggca ccacaggccc acggcagatt agatcttttc ccagtactga tgggtggctg 300
gaattccagc caccactctt gattcgattc cacagtgatc ctgtctcttg agtattttta 360
agaagccatt gtcaccccag ccagtgttcc aggagtcggc aaccagccag taggggtgtg 420
cattctccac tcccagccc aggatgggga tggcatggac ctgggcggcg 470

```

<210> 304

<211> 79

<212> DNA

<213> Homo sapiens

<400> 304

```

tgtcccattg ttaactcagc ctcaaatctc aactgtcagg cctacaaaag aaaatggaga 60
gactctcttg gtggatggg 79

```

<210> 305

<211> 476

<212> DNA

<213> Homo sapiens

<400> 305

```

tcaatgagcc acctacagc cagaagagat atgaggaaat tgttaaggaa gtcagcactt 60
aatcaagaa aattggctac aaccccgaac cagtacgatt tgtgccaatt tctgggttgg 120
atggctgaaa catgctggag ccaagtgtta agtaagtgg ctttcaagac cattgtttaa 180
aagctcttgg aatggcgatt ccatgcttac acaatttggc atgtcttgtt ttcagatgct 240
tgggttcaag gcatggaaa tcaacggtaa gcatggcaat gccagtggaa ccacgctgct 300
tgaggctctg gattgcattc taccacaaac tegtccaact gacaagccct tggcgctgct 360
cttcagatct gctacaaaa ttggctggtaa gctggctgta aacaaagttg aatttgagtt 420
gtatagatct tgtctgctt cataggtatt tagtatgtg taaatatttt taggta 476

```

<210> 306

<211> 404

<212> DNA

<213> Homo sapiens

<400> 306

```

ctcgtcttgg agtcagggc gcagccagca cacacaggag ccacaggac agccacgtct 60
tcaagagac tatagaagtc aggaaccagg ccaggacctc aggaacaagt gccccttgca 120
gacagagcga ccagtagtca acagctcttg aacactaca taataatgag gggagaatcc 180
tcaagacac ccgacccac aagcactgac aaccacttca ggattttat tctctactc 240
tcaacccag atccatttat gagaagttag ttaggatggc aggggatagg aggggtgaagg 300
gacagcagg atggctctgag ggcctggaaa caatagaaaa tctctgtctt ttagcatatc 360
ctggacttga aaacaagagt tggagaagag gggggttgat acta 404

```

<210> 307

<211> 200

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(260)
 <223> n=A,T,C or G

<400> 307
 ttcctgcctan acatctgtga gggcctcaag ggtcgtgcs tcgactttct cctagctaa 60
 gtcacccgt ccagggacac agccagggca ctgctctgtg ctgacttcca ctgcagccaa 120
 gggcacaat gaagcatctg cggaggccag gactccttg catcggacac agtcagggga 180
 aaagccacc tcgactctga ggacagaggg tctagggcca ttgggcagga gaacactggt 240
 gtgcacaaagg aagcncat 260

<210> 308
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 308
 ttctgtctcc cgactctccc atctcaggtc ccacccagctg cactgggggg ggcctctctg 60
 ggggaagggt tccacggggc agggatccat ctccagggcca gtcctcctct ggaggccagc 120
 cttccaggtc aaagattttg ccccaactggt cggcttcaga gtttccacag aagagaggct 180
 ttccagcuaa catctctgga aagatccagc caacactcca catgtccaca ggtgttgcct 240
 atgtggatcg cagaagaact tggggagctc ggtaccagag tctaaccaac ttgatcgttt 300
 cggctctgaa gctcggctggg ggtgctctgt ccagatatgt ccttaggtcc tggctccat 360
 gttcaaacac caggggtacc ttgatctccc ggtcagttcg ggatgtggca cagacgtcca 420
 ccagccggac aacattggga tgcacaaaa 449

<210> 309
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1-94)
 <223> n=A,T,C or G

<400> 309
 ctgtgggacac cgggggtgct gggtaaatgg agaactccag ctgggatttc ttgcataat 60
 caatcgagag acgttccatg agccagggagg tgaacccaga accagttccc ccaccaaagc 120
 tcttgaacac caagaagccc tgaagacccg tgcactggtc agccagcttg cgaattcggc 180
 caacacacag gccaatgac tcttgcaca tgggttagtg ccttcgggca tagttattgg 240
 cagatcttc ctggctcttg atgagctgct cagggcggaa gagctgggg taggtgccag 300
 tgcgaacttc atcaatgact gtgggttcca agtctacaaa cacagcccg ggcacgtgct 360
 tgcagagccc cgtctccatt gaanaagggt gtttgaagga agtcattctc 411

<210> 310
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (250)
 <223> n=A,T,C or G

<400> 310
 tctctgtctca ggttgactcg attagtctct ataaggtaag caaggcagat ggtgggtgac 60
 cgggaaatgc ctgcttgga gtggacaaac acccttctct cagcattctt gatggagtct 120
 atgaagtcaa tggcttggtt gaacaggag ctgatgtctg ccttggtggtt gctctccaca 180
 gggatgctct tgtactggta gtgacctca aaatggttgg gacaattggc tgagacgttg 240
 atcaaggcan ttatgctcaa ggcattcagc atgtcttggc ggggaagcgt atacgcactg 300
 cccaggtaca gaaagggcag 320

<210> 311
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 311
 tctggcccat gaagctgaag ttgggagaga tgatgcttcg cctctgcttc acaaaactca 60
 aggtctcgta cagcttgact cgactagtcc tcataaggta agcaaggcag atggtggctg 120
 aacgggaaat gcttgcttgg cagtggaaca acaccttcc tccagcattc ttgatggagt 180
 ctatgaagtc aatggcttcg ttgaaccagg agctgatgtc tggcttgggg ttgtctctca 240
 cagggatgct cctgtacttg tagtgacct caaaatgggt gggacaattg gctgagacgt 300
 tgatcaagtc agttatgccc aaggcatcca gcattgcttc ggggaagcgt tgatacgcac 360
 tgcacaggta cagaaagggc aggatttcca cggggccacc ctgaaatcca gaaatatcca 420
 acattcatca agcttgctca aagccaaggt cagtgcacat accacaaaa actttctgct 480
 ggaaaagtc aattcagata ccaggtgaac tcagttctgt tggctggagga taaataaat 539

<210> 312
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 312
 tcaaggatct tcttaaagcc accatgtgag aggattcgga cgagagctct agctgtatgg 60
 cagaccatgt cctgctgttc tagggctatg actgtctgta ctctaaagtc ggcactctca 120
 caggggtcag tgatcccac tgaacctggc aggaacagtc ctgcagccag aatctgcaag 180
 cagggctgtt atgcaacgtt tagggccaaa ggtctgtctgg tggggtttgt catcacagca 240
 taatggctca gtaggtaag gatccagggt gtgaggggct caaagccagg aaaaagaatc 300
 ctcaagctct ccagtagctt gatgagaact ttaactgtgg actgagaagc attttctctg 360
 aaacagcggg catgtcggat ggtgtctaag gcactctgca atactttgat atcacaatgg 420
 aatctggat ccagttttcg aagattgggt ggcactgttg taatgagaat ctcca 475

<210> 313
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 313

```

tccacttaaa gggtagctct gccaaatggg ggaatcctcg ccacttccag caccacgcca 60
agcctaacat cttccacaag gatcccgatg tgaacatgct gacgtgttt gttctggggg 120
aatgggcagcc catcgagtac ggcaagaaga agctgaaata cctgcccac aatcaccagg 180
angaatactt cttcctgatt gggccggcgc tggccatccc catgtatttc cagtaccaga 240
tcatcatgac catgatcgtc cataaagaact ggggtggactt ggcctggggc gtcagctact 300
aatccgggtt cttcatcacc tacatccctt totacgggat cctgggagcc ctctttttcc 360
ttaaacttcac caggttcctg gagagccact ggtttgtgtg ggtcacacag atgaatcaca 420
tggtcatgga gattgaccag gaggaacctg gcccgc 486

```

<210> 314

<211> 477

<212> DNA

<213> Homo sapiens

<400> 314

```

tgggtggggt tccggaagcc tggatctgga atcattcacc agattattct ggaaaactat 60
gggtacccct gggtctctct gattggcact gattccaca cccccaatgg tgggggcttc 120
gggggacatc gcattggagt tgggggtgcc gatgctgtgg atgtcatggc tgggatcccc 180
tgggagctga agtgcaccaa ggtgattggc gtgaagctga cgggctctct ctccgggttg 240
tccctaccca aagatgtgat cctgaagggt gcaggcatcc tccgggtgaa aggtggcaca 300
ggtgttaatc tggaaatcca cgggctctgt gtgactcca tctcttgcc tggcatgggg 360
aaaactctga acatgggtgc agaaattggg gccaccact cgggttccc ttacaaccac 420
aggatgaaga agtatctgag caagacccgc cgggaagaca ttgccaatct agctgat 477

```

<210> 315

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 315

```

cagctactgg atgtcaggtc tgcgaaactt ctctanatttt gacctcagtc cataaaccac 60
actatcacct cggccatcat atgtgtctac tggggggaca actggagtga aaacttcggg 120
tggtagcagg ccgtgggaaa atcagtgacc agttcatcag attcatcaga atgggtgagac 180
ttaaagagac ggtgagaatc atcagtgta totacatcat cagagtcggt cgagtcagt 240
g 241

```

<210> 316

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 316

```

nttntgtgat agtgtggttt atggactgag gncaaaatnt aagaagtttc gcagacstga 60
catccaancc tgcocgnngcg gncgctcgaa aggnogaatt ctgcagatat ccacacact 120
ggcggcgcgt cgagcatgca tctagagggc ccaattcgcc ctatantgag tnatattaca 180
attcactggc cgtcnnttta caacgtcgtg actgggaaaa cctggcggtt acccaactta 240
a                                         241

```

<210> 317

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 317

```

aggtacccctg ctccanagcc tggnggcctg ggttgtctcc ttgtccatcc actgggtccat 60
tctgtctctg atttttttgt tctctttttg gaggttccac ttggggtttg ggttttgaaa 120
ttataggggt acaantactt cggcgcgaaac caacctaaag gccaattctg cagatatcca 180
tcacactggc ggnogctoga gaatgcatct agaggggcba attcgcccta tagtgagtgc 240
t                                         241

```

<210> 318

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 318

```

cpgnncacaa ntacattgat gganggtntg nggntctgan tntttantta cantggagca 60
ttaatatatt cttnaacgtn cctcaccttc ctgaantaaa nactctgggt tgtagcgttc 120
tgtgctnana accacntnaa ctttacatcc ctctttttgga ttaacccact gcgcgggcac 180
ctctgcgcgc accacgctaa gggcnaattc tgcagatata catcacactg gcggcgcgtc 240
n                                         241

```

<210> 319

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

```

<400> 319
caggtactga tcggtgogtg gaantecagc caccantntt gattcgatto cacagtgate 60
ctgtctctctg agtatttttaa agaagccatt gtcacccag tcagtgttcc aggagttggc 120
aacagagcag taggggtgtgc cattctccac tcccagccc aggatgggga tggcatggcc 180
aacatcattc tctccggtga cgtgttggtt cctcggccgc gaccacgcta agggagaatt 240
c                                     241

```

<210> 320

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 320

```

ggcgggtacc aacagagcctt agtaatntct aaaaagaaaa aatgatcttt ttccgaactc 60
naaaccaagtg actataactag cataaatcat tctagtaaaa cagctaaggt atagacatto 120
naataatttg ggaaaaacctt cgattacaag tgaaaaactca gaaatgcata gatgttgggt 180
tttggctctc cagctcgttt tagcttttaa ctctnnnaan cncatgcata ctgnaactc 240
t                                     241

```

<210> 321

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 321

```

angtaccaac agagcttagt aattntntaa aagaaaaaat gatctttttc cgactttctaa 60
aacagtgact atactagcat aaatcattct agtaaaacag ctaagggtata gacattctaa 120
tcaattggga aaacttatga ttacaagtga aaactcagaa atgcataagat gttgggtttt 180
tgttctctag tctgcttttag ctcttaactc tggaagcgca tgcacaentg aactctgctc 240
a                                     241

```

<210> 322

<211> 241

<212> DNA

<213> Homo sapiens

<400> 322

```

ggtaaccaaa gagcttagta atttctaaaa agaaaaaatg atctttttcc gactttctaaa 60
caagtgaact tactagcata aatcattctt ctagtaaaaa agctaaggta tagacattct 120
aataatttgg gaaaaacctat gattacaagt aaaaactcag aaatgcataag atgttgggtt 180
tttgtttctc agtctgcttt agcttttaac tctggaagcg catgcacact gaactctgct 240

```

3 241

<210> 323
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 323
 cgaggtactg tegtatcttc agccttgctc tatttcttta ttttagcttt acagagatta 60
 ggtctcaagt tatgagaatc tccatgggtc tcaggggcta aactttcttg ccattctttt 120
 gctcttcacg ggctcagaag gacatgtcag gtgggatacg tgtttctctt tcagagctga 180
 agaaagggtc tgagctgcgg aatcagtaga gaaagccttg gtctcagtga ctccctgggt 240
 t 241

<210> 324
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 324
 aggtactctc gtatcctcag ccttgcttct tttctctatt tttagctttac agagattagg 60
 tctcaagcta tgagaatctc catggctttc aggggctaaa cttttctgga attcttttgc 120
 tcttaccggg ctcagaagga catgtcaggt gggatacgtg tttctctctc agagctgaag 180
 aaagggtctg agctgcggaa tcagtagaga aagccttggt ctccagtgaat ccttggcttt 240
 c 241

<210> 325
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 325
 ggcaggtaca tttgttttgc ccagccatca ctttttttg tgaggagcct aaatacattc 60
 ttccctgggt ccagagtcctc cattcaagga agtcaagtta agacactaac ttggcccttt 120
 cctgatggaa atatttcttc catagcagaa gttgtgttct gacaagactg agagagttac 180
 atgttgggaa aaaaaaagaa gcattaaact agtagaactg aaccaggaga attaatctct 240
 g 241

<210> 326
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 326
 gcaggtacat ttgttttggc ccagccatcac tcttttttgt gaggagccta aaatacattc 60
 tctctgggtc ccagagtcctc attcaagga gtcgaagtaa gacactaac ttggcccttt 120
 ctgatgggaa tatttctctc atagcagaag ttgtgttctg acaagactga gagagttaca 180
 ttgttgggaa aaaaaagaagc attaatcttag tagaactgat ccaggagcat taagttctga 240
 a 241

<210> 327

<211> 241
 <212> DNA
 <213> Homo sapiens

<400> 327
 ggtaccagac caagtgaatg cgacagggaa ttatttcctg tgttgataat tcatgaagta 60
 gaacagcata atcaaaaatca attgtatcat cattagtttt ccactgcctc acactagtga 120
 gctgtgcaaa gttagtagtgt gacacctgtg ttgtcatttc ccacatcagc taagagcttc 180
 caaggaaagc caaatccagc atgagctctc gagagggatc aatatgtcca tgattatcag 240
 g 241

<210> 328
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 328
 ggtacnagac caaatgaang ccacagggaa ttatttcctg tgttgataat tcatgaagta 60
 gaacant ita atcaaaaatca attgtatcat cattagtttt ccactgcctc acactagtga 120
 gctgtgcaaa gttagtagtgt gacacctgtg ttgtcatttc ccacatcagc taagagcttc 180
 caaggaaagc caaatccagc atgagctctc gagagggatc aatatgtcca tnatcatcan 240
 g 241

<210> 329
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 329
 ttcaggtrga gttgggtgga gatttggtgt gntttctgag cagtctgtcc ttggccaaaa 60
 ngtctcaagc tattattaaa aacatatgga tccccatgaa gccctactac accaaaagttt 120
 acccggatct ttggatagga atggggctga tgggcttcac cgtttataaa atccggggctg 180
 ctgttaagaa gtaaggtctt gaaagcttca ggcctgtctn ctggctcanna ctaaccatan 240
 n 241

<210> 330
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 330

```

ttttgtgag atttgtggtg cgtttctgagc cgtctgtctt gggccaagat gtttcaaagt 60
attattaaaa acatattgat ccccatgaag cctactaca ccaaagttta ccaggagatt 120
tggataggaa tggggctgat gggcttcata gtttataaaa tccgggctgc tgataaaaga 180
agtaaggctt tgaagcttc agggctgct cctggctcct actaacaga tttacttga 240
g                                     241

```

<210> 331

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 331

```

nntttaggna ctttgggctc cagaactcac tggctcttagg nattgaaacc atcacctggg 60
ntgtattctt catgactgag gtttaactta aacaaaaaatg gtaggaaagc tttcttatnc 120
tttnggtaag anacaaatnt nctttaaaaa aangtggaag gcctgacnta cgtgagaact 180
gtacaaactg gccactgaca aaaatgaccc ccatttctgt gacttcattg agacacatta 240
c                                     241

```

<210> 332

<211> 241

<212> DNA

<213> Homo sapiens

<400> 332

```

tgttaggaga gggaacatgc tgagaaactg atgaagctgc agaaccacag aggtggctga 60
atctctcttc aggatatcaa gaaaccagac tgtgatgact gggagagcgg gctgaatgca 120
atggagcttg cattacattt ggaaaaaaat gtgaatcagt cactacttga attgcacaaa 180
ctgggcactg acaaaaaatga ccccatttg tgtgacttca ttgagacaca ttacctgaat 240
g                                     241

```

<210> 333

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 333

```

caggtaaaag cttttttttt tttttttttt tttttttttt ttgnaaatad tntttattgn 60
aaatattcta tctaaattc catatagcca attaatnttt acanaatntt ttgttaattt 120
ttgngngtat aaattttaca aaaataaagg gtatgtttgt tgcacacac ttacaaaata 180
taataaaactn tttattgnaa atattnttta ttgnaaatat tctttatctt aaattccata 240
t                                     241

```


<210> 334
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 334
 tncctgtgtgn aggggntgaa gnontctctg ctgcccagg catctgcanc ccttgcctgt 60
 ggtctgtgccc ctgtgtgcagc agaggagaag aaagatgaga agaaggagga gtctgaagag 120
 ctatgatgatg acatggggatt tggccttttt gattaaannc ctgtccccc gcaataaaag 180
 cctttttaca caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aagcttgtac ctgcccnggc 240
 g 241

<210> 335
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 335
 ctatgtgtgtg ggatgactat ggagacccaa atgtctcanc atgtatgtcc cagaaacctg 60
 ttgtgtgttc aaccattgac agttttgtgt ctgtgtggtt ctgcagacag tcaagctgca 120
 gcttccctcaa aggtgtgtgt gaaacttgag cccccgtgga tcaacgtgct ccaggaggac 180
 tctgtgactc tgacatgcca gggggctcgc agccctgaga ggaactccat tcagtggttc 240
 c 241

<210> 336
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 336
 ttcacactta tgcagccaag caactccagc agttcccatc aaggccacct ccaccacaac 60
 ctgaagatc atctcagga aaattaatc ctgcccgtcc tgctccctga cttcttttat 120
 atagcttctt cacttgattt ttttaacctt ttttttgcaa atgtctccag ggaactgagc 180
 ttaaaccttt cttttttctg atgttttctt gaaaagcctt tctgttgcaa ctatgaatga 240
 a 241

<210> 337
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 337
 ggtactgtat gtagctgcac tacaacagat tcttacogtc tccacanagg tccatanattg 60
 taaatggtna atactgaatt tttttttatt cctttgaactc aagacagcta acttcatttt 120
 cagaactggt ttaaaccttc ggtggtggt ttataaaata atgtgtgtaa tcttggttgc 180
 tttctgata ccagactggt tcccggggtt ggttagaata tattttgntt tgatgcttat 240
 a 241

<210> 338
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 338
 aagttacaggt gtggggtgag ccgagttttac acggaaagga taaagcccat ttagtttttt 60
 cttaaaaggga gttttccact ttttttgaa gtagacagca ttccaccagga ccatcctggt 120
 atcccatct acagaacctt caggttaacaa gttggggatt ttgcctttgg ttgagtttt 180
 gacccagga ttaatttttt tcttagcttc ttctgcacat tctaggaagt ctactgctg 240
 g 241

<210> 339
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 339
 tcttgagggt ccttggaggg agagagtga gggacacggg aagaatcaaa gtccagcatg 60
 a agtgtctg caactcaaa gatcaaggcc ataaccagg agaccatcaa cgggaagatta 120
 gttctttgac aagtgaatga aatcaaaaag cagcatgag accaatgaaa gtttcggct 180
 gttgtaaaat ctattttccc ccaaggaaa gctttgcaca gacaccagt agtgagttct 240
 a 241

<210> 340
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 340
 gtaacctca cagacacatg ccgtaaacg gatttatcac aagacacgac tgcattgaga 60
 ccagacacag ggcgtatgga aagcaagtc ccaagactgt agtatccag atgagctgca 120
 gttgcttacc taccacggcc gtctccaca gaaaaccata gccaaactct gogacagct 180
 tctgactcac aaactttgt taaaagctgc ttacatggac ttctgtctt taaaagcttc 240
 c 241

<210> 341
 <211> 241

<212> DNA

<213> Homo sapiens

<400> 341

```
gtacagccta ctttcgtctc atgtctccga acttcttctgt gatggccgtt ccaacgttgc 60
tgaaagctgc agttgccttc tgcctgggt gactcagggc ttcatgtgtt ttcttgtagg 120
cagtggtagt ctgcctgcca tgcctagcttc tgcctgaagt ctgttttaac tcattcctca 180
ggctcagccc gagttttgtt ttatctcaac tagatgcctt ccttttcgtg aaaaaacttg 240
t 241
```

<210> 342

<211> 241

<212> DNA

<213> Homo sapiens

<400> 342

```
gtacattcgt gctataaata taaatgctac ttatgaagca tgaaattaag cttctttttt 60
cttcaagctt cttctcttct ctagcaatct gttaggcttc tgaaccaaga ccaaatgttt 120
aagttctctt gctgcatacc aaggttactc caaacaataa aaatctatca tttctgctct 180
gtgttgagga atggaaaatg aaaccccccac cccctgaccc ctaggactat acagtggaaa 240
c 241
```

<210> 343

<211> 241

<212> DNA

<213> Homo sapiens

<400> 343

```
gtacattcgt tagcagtaat tttcttgaag caactgcact gacattcatt tgagtcttct 60
ctcattacca gattctgttc caaacaagta ttctgtagat ccaaatggat taccagtgtg 120
ctacagcttc cttattatag aacagcattc tattctatat caaaaatagt ttgtgtgaagt 180
tugtcttctg taccatctaa aatattttta aatgttcttc acataaaaaa ttatgtttgtg 240
t 241
```

<210> 344

<211> 241

<212> DNA

<213> Homo sapiens

<400> 344

```
ggtaaaaaat tgttgggaatt tagctaatag aaaaacatag taaatattta caaaaacgtt 60
gataacatta ctcaagtcac acacatataa caatgtagac aggtcttaac aaagttttaca 120
aattgaatt atggagattt ccaaaaatga attcaatagt tcattgtctg gaatggttat 180
caatattaca tttaagatct tggatcaaat gttgtccccc agtcttctgc aatccagttc 240
t 241
```

<210> 345

<211> 241

<212> DNA

<213> Homo sapiens

<400> 345

```

ggtagcgaagc tgagggacg ggggttgccc bagcgtggag cctggacctc aaacttcacg 60
gaaatgctc tctctctctg acaggcttcc agctgtctcc taatttctg gatgaactct 120
cccgggcgat ttaactgacc ctgaaaagtg gtgagaggac tgaggaagac aaccaggtca 180
gggttagatc ggctctgag ggtggtgccc ttgctgagg agccacctt taccaccttg 240
g                                     241

```

<210> 346

<211> 241

<212> DNA

<213> Homo sapiens

<400> 346

```

caggtaaccac tgagcctgag atggggatga gggcagagag aggggagccc cctcttcac 60
ttagttgttc ctactcagac tgttgcactc taaacctagg gaggttgaag aatgagaccc 120
ttaggtttta acacgaatcc tgacacaccc atctataggg tcccaacttg gtrattgtag 180
gaaaccttcc ctctctctct ggtgaagaac atcccaagcc agaaagaagt taactacagt 240
g                                     241

```

<210> 347

<211> 241

<212> DNA

<213> Homo sapiens

<400> 347

```

aagtaactct aaagggatga agcaactaat tgggcaatta acattagtgt ttgttctctg 60
aaggtacttc tgagaatact ggttgtagga ctggccagta gtgccttcgg gactgggttc 120
accaccaggt ctggggcagt tgtcacagcg ccagccccgc tggcctccaa agcatgtgca 180
gtagcaaatg gcacccagat attccttctg ccactgtctt cctacgtggg atgtcttccc 240
a                                     241

```

<210> 348

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 348

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aagtaactgg caagattnga tgcctctgng ctantgaca ctattcataa ctgttngtg 60
tgaacagagg aggagacct catctgtctc ctattcgtca gnnccctctc ctctctgaat 120
ctcacaacag ttgataatgg agaaaaattt gaattctcag gattgaggct ggaactggtc 180
cgtctacang catacaactag cgtggctaag gccctctctc accctgcctg anaacctga 240
c                                     241

```

<210> 349

<211> 241

<212> DNA

<213> Homo sapiens

<400> 349

```

gagaggtatca tttgtgtgac ctctgtaaaa aatgtgatcc tacagaagtg gagctggata 60
atcagatagt tactgttacc cagagcaata tctgtgatga agacagtgtc acagagacct 120
gtatcaccta tgacagaaac aagtgttaca cagctgtggc cccactctga tatgggtggg 180
agaccaakat ggtgggaaac gccctaaccc cagatgcctg ctatcttgac taatttaagt 240
c                                         241

```

<210> 350

<211> 241

<212> DNA

<213> Homo sapiens

<400> 350

```

aggtactatg gatattttaa ataccacagt aacaagatca tcttcttcc tacagtattg 60
cgggcacac accttaagtga aagcagaagt gtttgggtga ctttctact taaaattttg 120
gtcttatcat ttcaaaaacat ttgcattctg gttggttga tatgcttcc tattgatccc 180
aactcaatcc ttagaatcac ttcaatttaa atactgagcg gtattgaata ctccgaagca 240
g                                         241

```

<210> 351

<211> 241

<212> DNA

<213> Homo sapiens

<400> 351

```

tacagaacct atctggagcc gttttgagac agaagtagag gctctgtcaa gtcaatactg 60
cattgagagt tgggtccactg aagaagccac gcttgagata caaaagatgc actacacttg 120
aactggttca tggctgcttc ctctcccttc ctctctcctc aattttatta ggttaaaaac 180
cctcctatag gttttctcca aatgaactcc tatgtctggg gtttggttag aattttatgc 240
c                                         241

```

<210> 352

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 11 ... (241)

<223> n = A,T,C or G

<400> 352

```

gtacctgtg gagctgacc aagattannt ggggcacatc tgactgcanc cactacgang 60
aaggaggggt gnagtgcata gtctgacccg gaaacccctt cacttctctg ctcccgaggt 120
gtctctcnggc tcatatgttg gaaggcanan gatctctgan gagttncctg gggacaactg 180
andgcctct ggagaggggg cattaataaa gctcaacatc attggcaaaa aaaaaaaaaa 240
a                                         241

```

<210> 353

<211> 241
 <212> DNA
 <213> Homo sapiens

<400> 353
 aggtaccagt gcattaatTTT gggcaaggaa agtgtcataa tttgatactg tatctgtttt 60
 ctttcacagt atagagcttt tggggaagga aagtattgaa ctgggggttg gtctggccta 120
 ctgggttgac attaactaca attatgggaa atgcaaaagt tgtttggata tggtagtgtg 180
 aggtctctct tgggaatTTT tttcaggtga ttttaataata atttaaaact actataaaaa 240
 G 241

<210> 354
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 354
 ngcaggtctg ggcaggtacc aagattcatt ctcatcaaaa actagaaaca gaagggcaaa 60
 ctccagtttc cttctgggat tgaatacttt caagtaaggt ctctgacaaa caatcagggg 120
 gccaattaat ccactgtaga ggtccttaac ttgatccaca gttgaataat aagcccatgg 180
 aatacaagca gaatcctctg ttcagatcc agatctttct gggattttcc atacgttaagt 240
 G 241

<210> 355
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 355
 ggtaccacc ctaaatTTTga actcttatca agaggctgat gaatctgacc atcaaatagg 60
 ataggatgga cctctcttttg agtccactgt ataaacaaat tttctgattt ggacttaatt 120
 cccaaaggat taaggtctact cctgtctcact cactctttca aagctctgtc cactcttaact 180
 tttctccagt gctatagata gggaatttgt cactgggtgc ctagtctttc ttcacttacc 240
 T 241

<210> 355
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 355

```

aggtactgta attgagcacc cgggaatntgg agaagtaatt tagctacagg gtgaccaacg 60
caagaacata tgcagttccc tggtagagat tggactggct aaggacgacc agctgaaggt 120
tcattgggttt taagtgtttg tgggtcactg aagcttaagt gaggatttcc ttgcaatgag 180
tagaatttcc cttctctccc ttgtcacagg tttaaaaacc tcacagcttg tataatgtaa 240
c                                         241

```

```

<210> 357
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 357
ttctgtacca ccgatacgat caaggaaaat tctgcccatt tttatggctg aagttctaaa 60
aacctaatcc aaagtctctc catgatctca caatgctccc aagatggctc aggttgggat 120
aaggcttgag cggcgggtgag atccggggct gccagcagct tgtcgtcttc cagctgggat 180
gaagcccttc ggcacccaga gtctccagga cctgcccggg cgcctgtcga aaggggcgaat 240
t                                         241

```

```

<210> 358
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 110... (241)
<223> n = A,T,C or G

```

```

<400> 358
aggtaacggg agtgggggtg aagcttgctc tctacatagg caacacagcc gcttaantca 60
caaagtcagt ggtcgggcgc ttgcaccaac atgtgggtgag cattccacgg gcgcctgaag 120
ctctgggtgt ggcctcagct ctctgaatat ttgatagga agcgacaaga aaattcaaac 180
tgcctcttgc tgactactgg aaagtcaaaa gatgctcaag tttaccattc aaagaaacca 240
t                                         241

```

```

<210> 359
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 359
gagctacaca aaaggaatar cttctgagag ccagggagtg aggaaagggg aaggagactt 60
gacctcaggg gtgctcttga ggaacatgac gggccagcca gcctgcctca actttgaggt 120
ctctctgggg tcttggtgact ataaatatcc tgtctatttc taatgcaatc cgtctttctc 180
gaaagatctt gttatctttt actattgaga catgctttca tttttgtggt cctgttttca 240
a                                         241

```

```

<210> 360
<211> 241
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 360
 ngtactctat actaattctg cttttttata ctttaattctt aattttctcc ctctaattta 60
 caaaaaattt tgtgattttt ataagaattt atggtctccc aattctcaga ttctttctctt 120
 ttctctctta ttcttttggc taaattcagt ataagctttt ttggtatttt aggtcttcag 180
 cactttctta ttcttaaaaa ccagcagttc ttccagagac taaaatccag tataggaata 240
 a 241

<210> 361
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 361
 aggtactctt cgtgcccaga caatgaacat tatccagcca gatctgccc gtgcccagct 60
 ccaatttcta ctctctctac tatctgtctt agaacctgtt cttatgattt taacagatat 120
 agaacccacc ctgaaaaatg ttctttccat ttcttgcttc cttttttaatc tatcctcttg 180
 aactctgaac ctaaaatttt ttctttccct ttcttgcttc ttctttcttt tatctgttt 240
 a 241

<210> 362
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 362
 aggtactctt atactctgtt tangtcagtg acagatttac caatgacaac acaattttta 60
 aattccaaga catatattac ttgttcttat gaagggcaca aagtcattat attttaaatt 120
 ttaaaaaacg aatggatata atgaactttt tacacatcag tgatatttaa aagacttaaa 180
 gagaataac tatgggttag acaatggctt ctatttcag cctaatttaa agaaaaata 240
 g 241

<210> 363
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 363

```

ttangtaacta aaaacaaaaat cctaattctg ttttaaagag ctgggagatg ttaatcatat 60
gttcagttttt tccagtttat aatttcctaa atgcaaacctt ttcaatcagg gcagttcaaa 120
ttcattacat cacagtaaat aacagtaggc aactttgatt ttatgcttat aggaaaaaaa 180
atccgtaga tataaaaaaca gcaaatcttg acaataaaaa ctcaaacctat tcatccttaa 240
a 241

```

<210> 364

<211> 241

<212> DNA

<213> Homo sapiens

<400> 364

```

ggtacaagca gttagtcctg aaggccctg ataagaatgt catcttctcc ccaatgagca 60
ttccacagcg cttggccttc ctgtctctgg gggccataa taccacctg acagagatto 120
tcaaaggct caagttcaac ctcaaggaga ctctgaggg agaaattcac cagagcttcc 180
agcactctc ggcacctc aatcagtcac gcatgagct gcagctgagt atggggaatg 240
c 241

```

<210> 365

<211> 241

<212> DNA

<213> Homo sapiens

<400> 365

```

cgaagtaatt agattacagg catgagccac cagccctggc caaaaacatt taaaaaatga 60
ctgtccctgt tcaataactg cagtaggaaa tctaatttga catatatac ttccagaaaa 120
aaacttttaa tcttctctata aaatgaattt gatcacctat cagcatgaag tgaagttaaa 180
atctcttaca aagtaaatcc aggtatatca acaatgagat ccaaaagtat cggttcaaga 240
t 241

```

<210> 366

<211> 241

<212> DNA

<213> Homo sapiens

<400> 366

```

ggcaggtaca catcaaacac ttcattgctt aaatgcaggg acatgcttcc atctgaccac 60
ttgactatcc gagcattgct ttctttaatt tcatttctct ctccatctcg ggcctacctc 120
catcttatag tttttctac ctttaatttt aacttggttc taccctcttc atccagcatt 180
ttctcatctt caaattcctc ttcataatac tgggctctac acttgagaaa gttgggcagt 240
t 241

```

<210> 367

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 367

```

guaggtacaa ataattcctg ttgtnacatt tagtggacgc gattatctgt atacctcaaa 60
tnttaattta agaaagtatc acctaaagag catctcattt totatagatt gagggottaat 120
tactganaag tgactcaacc aaaaagcaca taacctttta aaggagctac acctaccgca 180
guaggtcaga tgccttgtaa ataatcttgg tctttcaaaa tagtggcaat gcttaagata 240
c                                         241

```

<210> 368

<211> 241

<212> DNA

<213> Homo sapiens

<400> 368

```

tttgtaacatt gtttaatagtg acctcgggag gaaatggatt tctctttctat taaaaactct 60
anggtatata agcattacat aataatgcta cttaaccacc ttttgtctca agaattatca 120
cnaagatttt ctggaaataa gtccacataa gaattaaata tttaaaaggt gaaatgttcc 180
tactcttaac tttagcaaga tcttttcttt ttcattaaga aacactttta taattttaaa 240
g                                         241

```

<210> 369

<211> 241

<212> DNA

<213> Homo sapiens

<400> 369

```

guaggtacatt tattcttatt tcttatctta tattctgtgt tacagaaaaa ctactaccat 60
aaaacaaaca ccaaccagcc acagtagttg tgcacaagcat gacaattggc ctagtcttca 120
ctttctatta gtaagtcctat caagtaagag atgaaggggc tagaaaacta gacacaaagc 180
aaccaggggc caaatcacca aggtagatcc gtgcttagct aaagggaaaac accccaagat 240
t                                         241

```

<210> 370

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 370

```

ngttcacagt gcccctcagg cctcgccatg aggtctcttc ttctcgctcc ggctctgggtg 60
gtggctctgt cgatcgtctt ggaaggccca gccccagccc aggggacccc agaogtctcc 120
agtgccttgg ataatgtgaa ggagtttggg aacacactgg aggacaaggc tcgggaactc 180
atcagccgca tcaaacagag tgaactttct gccaaagatgc gggagtgggt ttccagaagac 240
a                                         241

```

<110> 371
 <111> 241
 <112> DNA
 <113> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 371
 gggaggtcat cttgagcctt gcacatgata ctacagattcc tcacccttgc ttaggagtaa 60
 aacaaatatac tttacagggg gataataatc tccatagtta tttgaagtgg cttgaaaaag 120
 gaaagattga cttttatgac attggataaa atctacaaat cagccctcga gttattcaat 180
 gataactgac aaactaaatt atttccttag aaaggaagat gaaaggnagt ggagtgtggt 240
 t 241

<110> 372
 <111> 241
 <112> DNA
 <113> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 372
 aggtacagca aaggagacct tggtaggnata gatcagaagg aaattctctc cggctctgnc 60
 aatgctgcatg acatccatga atccagcagg gtaggttata tcagttcgga ctttgccatc 120
 gattttcaatg aacggctgca tgcacatctt ctttacttca tctcctgtca gggcatactt 180
 aagctctgttc ctcaggaaaa tcatgagggg gagacactct cccaacttgt ggggacgggt 240
 g 241

<110> 373
 <111> 241
 <112> DNA
 <113> Homo sapiens

<400> 373
 tcttgaaaca gaaaaaatgt attcccacaa aagctgttac acagcgggtt ccggtcccca 60
 gaaacagtag aaaatcttag cattccaatg gaaggcatgt atttgtaaaa tattctaaaa 120
 taaactaat agtttcttgg tctctcttga taagggaatc gacagagggt gtgtccccc 180
 taaacagata ccttctctga caaactggtc tccaataata cctttcagaa acttacaaga 240
 c 241

<110> 374
 <111> 241
 <112> DNA
 <113> Homo sapiens

<400> 374

caggtaactaa aacttacaat aaatatcaga gaagccgtta gtttttacag catcgtctgc 60
 ttaaaagcta agttgaccag gtgcataatt tccatcagt ctgtccttgt agtaggcagg 120
 gcaattttctg ttttcacgat cgggaatactc aaatatatcc aaacatcttt ttaaaacttt 180
 gatctatagc tccatagaaag ttatgttttt taatagtcac tctactctaa tcaggcctag 240
 c 241

<210> 375

<211> 241

<212> DNA

<213> Homo sapiens

<400> 375

aggtacaaag gaccagtatc cctacotgaa gtctgtgtgt gagatggcag agaacgggtgt 60
 gaagaccatc acccctgtgg ccacgaccag tggctctgccc atccatccaga agctagagcc 120
 gcaatttgca gttgccaata cctatgcctg taaggggcta gacaggattg aggagagact 180
 ggcattcttg aatcagccat caactcagat tgttgccaat gccaaaggcg ctgtgactgg 240
 g 241

<210> 376

<211> 241

<212> DNA

<213> Homo sapiens

<400> 376

ggtacatttt atttcccttc tttcagaatg ctaataaaaa acttttgttt ataacttaaaa 60
 aaaccataaa tcagacaaaac aaaagaaaag attccaacat caattctgtg atgagaaaag 120
 aggcaatgga attcaacata agcaaagaaa actctacctg gaggaagaa atcgatcagg 180
 gaaagaaaac cctgggggctg ctgcacagact gcaggccatg cgaggaggag cctccttagag 240
 g 241

<210> 377

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 11... (241)

<223> n = A,T,C or G

<400> 377

tctctcttgt ccaggttgatt cacagactag aactttctta tctctctctt agagttttga 60
 ctctgggctc tagtggttaag atgatgagcc cgtgcacacg gtctctctgc actttggttg 120
 aagctctcca gggtaggttt cctatttgaa acagtggaat catgtttcca gtgataaagt 180
 ttaattgact caactttttt tttttttttt tcatctgcac tttgtgtgtc ttanattgggt 240
 t 241

<210> 378

<211> 241

<212> DNA

<213> Homo sapiens

<400> 378

```

aggtcagcga tcaggttcott tatgggcagc tgctgggcag cccacacaagc ccaggggcag 60
ggcactatct ccgctgggac tcactcagc cctctctggg gggcctcacc ccagcccca 120
agtcctatga gaactctggg tcccaggcca gccccttggg gaccttggta accccagccc 180
ccagccagga ggaagactgt gtctctgggc cactgtcaca cttccccctc ctgcagggga 240
c                                         241

```

<210> 379

<211> 241

<212> DNA

<213> Homo sapiens

<400> 379

```

tcaggagcga tcgaagagggc atatccacac ttgggggtggc tatagggctg gaaaatgctg 60
aagatgactg ctttcactga ggccaaggat tgtaatatcg ccagctttgt aaagccatta 120
aagcagaagt ttcttcagtg atctctcttc taagaaacac cctcactccc atgtgcctta 180
cagaggcccc ctgggtttctg ctgaattgtt ttggggcaat cctctgatga tgaagatggt 240
c                                         241

```

<210> 380

<211> 241

<212> DNA

<213> Homo sapiens

<210>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 380

```

aggtacacgg agaccgacat gggnnntcca ggcntnagat caaactcaaa acctgnaatg 60
atctccactc cctctctctt aagctcaggg aaatattcca agtagaagtc canaaaagtc 120
tcggctcana tgattcngaa ttgcaattca tgcacatagg ccttgaaaaa actgtcaaac 180
tgannctgat caccacccaa gtggggcctn tatgacacaa agcagaaaac ttctctctan 240
g                                         241

```

<210> 381

<211> 241

<212> DNA

<213> Homo sapiens

<400> 381

```

aggtacacac taatggatta gctcttgggt ttaactgaat atatgaagaa attgggtctg 60
ctcaaaagaa gggatattca tatggcttct agttcacttg ttgtatttc atcttgattt 120
cttctcttgg aaaataaage attctatttg gtcagattt ctcagatttg aaaaaggctc 180
tatctcagat gtagtaaaatt attctcttct agtttctgaa agcaggattt gactctgaaa 240
g                                         241

```

<210> 382

<J11> 241
 <J12> DNA
 <J13> Homo sapiens

<400> 382
 gtaattgatat aatcaatacgt tctgatagac aggttttates actatattga ccttacctct 60
 aaaaggattg tcataattta tatgttttat gtttacacct atgatacagt tgccttggaa 120
 cacaaaattt ttcattgtta ttaaaaaaag aagagttgtg cagacagaag aaatcaaatc 180
 taagaaaatc acaggagtag ataaatactc tagaattcat atacccttgg aagatggggt 240
 t 241

<J10> 383
 <J11> 241
 <J12> DNA
 <J13> Homo sapiens

<400> 383
 ggcaggtaaa aagtctctctc ttgtttttt ataattttta agcaataac acatttaact 60
 gtaatttaagt ctgtgcaaat aatccttcag aagaaatata caagattctg ttgtcagagg 120
 ttaatttctc tctcaaaagt gattaaatga gtttctcttc agataaagtg ctctgtcca 180
 gagaactca aaaggctctc aagctgttca gtaagtgtg ttcagataag actcgtcat 240
 a 241

<J10> 384
 <J11> 241
 <J12> DNA
 <J13> Homo sapiens

<400> 384
 ggtacacaaa atacacttgc aagcttgctt acagagacct gttaaaacaa gaacagacag 60
 attctatcaa atcagttata tcaacatata aaggagtggt attttcagtt tgttttttta 120
 agtcaatctg accaaaactga cttaaataaga aggcacaaac aaaaatttat ctctcttgac 180
 aagctctctg gagtaaacaa aatgctttta ggtctctggt gaatgggggt gcaaggatga 240
 a 241

<J10> 385
 <J11> 241
 <J12> DNA
 <J13> Homo sapiens

<400> 385
 gtaaggtcta caatggctct gtcctctctg ttggaatggt acaccaagag gtctcagtc 60
 tggctctga cccacagtg agctgtttag atgactcttc acatctctct gatcaactgg 120
 aagacacccc aatcctcagt gaagactctt tggagccttt caactctctg gcaccaggt 180
 ggttctggag ctatgtccct ttaacttata catgcagagt agccaaaact tacttgaaag 240
 a 241

<J10> 386
 <J11> 241
 <J12> DNA
 <J13> Homo sapiens

<400> 385

```

aggtacattt ttctctctca aaggaacagt ttctaaagtt ttctgggggg aaaaaaaact 60
tactatcaaat ttaaaacata tggtaaaactg catattagtt gtgttacacc aaaaaattgc 120
ctcagctgat ctacacaagt ttcaaaagtc ttaatgcttg atataaattt actcaacatt 180
aaattatctt aaattattaa ttaaaaaaaaa aactttctaa gggaaaaata aacaaatgta 240
g                                     241

```

<210> 387

<211> 241

<212> DNA

<213> Homo sapiens

<400> 387

```

aacctactgg cggctgtgga gtatctccac tctcctctcg tgaggggcgc tccacccgac 60
cagtcgaact ttgtgaaatg gagttaatgt gtttccactc cctttttccc cttctctggc 120
ttcttggtca gaatttctg gcttccggc atatctggg agtcttcgac ttccaggaaa 140
ggcaattgct ccccgatcac ctttaagacc cggaggacct attggacctg gaaatctcg 240
t                                     241

```

<210> 388

<211> 241

<212> DNA

<213> Homo sapiens

<400> 388

```

cttgtaactct tgtccacagc agagacattg agtataccat tggcatcaat gtcaaaaagt 60
aattcaactt gaggaacacc tgggggtgca ggaggtatgc ctgtgagttc aaacttgcca 120
aggaggttgt tatctcttgt catggcacgc tggcttcac aaactgaat aagtacacca 140
ggctgggttgt cagaataggt agtgaaggtc tgtgtctgtc tggtaggaat ggtgggtatta 240
t                                     241

```

<210> 389

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 389

```

tacctnigt agtgagacac ttgtctttatg ttcttatntc ttnaagataa atacatggaa 60
ggaatgtgaaa atoggaacac caactatgtg tctcactgca tctaaagtga gacagccacag 120
ctgtgagagt ttccaaagca gaaagatgct gatgtgacct ctggaattca gacataactga 180
ggtatgygtc agaagtgttt taacttaaaaa gcaaacacac cccaggaaat actgaatagg 240
a                                     241

```

<210> 390

<211> 241

<212> DNA

<213> Homo sapiens

<400> 390

```
gcaggtacat ccacatgttc ctccaaatga cgtttggggg cctgcttgcc aacattcttt 60
atgpcagct gttcaggtgt catcttatct tctctctcta cagccttatt gtaattcttg 120
gcttatttca acatctcttt taccactgat tcattgggtt tacaatgttc actgtagtc 180
tgaagtgtca aactttccat ccaactcttc ttatgcaaat ttagcaacat cttctgttcc 240
a 241
```

<210> 391

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 391

```
cnggcacaaan cctnctgttt tnatnttttt tttttctttn ccttctcttn ttcttantnt 60
caaanaaaaa nntcannnaa annggggttt aaatnctntn nncagancat taaaactgaa 120
gggaaaaaaa aaacaaaaaa cgagcttntt anttnaentg ggnttggggn gntgctgatn 180
tnaagaagca anncttanan cnggcnnnat ganngagngn tcannttgaa atttnnacc 240
c 241
```

<210> 392

<211> 241

<212> DNA

<213> Homo sapiens

<400> 392

```
gaggtacaaa atgggtatct tagattaata ttttctgctt gataacagct gtttttctta 60
cattagaaat aagatgcac acaggaact acattccaga tttaaagaaa tgaaaggata 120
ccatttagct gtataacaga ttattgttca tacttgtaaa gcattcttatg tcattgagaa 180
tataaagaa agtgcttag aagacagtga aaggtaagct ctagcttaat gtctatgatt 240
t 241
```

<210> 393

<211> 241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 393

```
ggcaggtaca taagcataat cagttatgga cagcttcttg tataaattgc tattcancaa 60
```



```

tacataaaact gactnaaaga tttatgotta caggtagaca ttcaatttac caataaaaaca 120
gcatgttctg aaaatatggg cacattttta aacatattaa gacagttctg ttaaccataa 140
tagtccaca gtatgactga gtaataagaa tctacttcaa aagnaaaaaa aaaattaatc 240
a 241

```

```

<210> 394
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<400> 394
aggtacagca gtagtagatg gctgcaacaa ccttctctct accccagccc agaaaatatt 60
tttggccccc cccaggatcc gggacaaaaa taaagagcaa gcaggccccc ttactgagg 120
tgtgggttag ggtccagtgc cacattactg tgctttgaga aagaggaagg ggatttggtt 180
ggcactttta aaatagagga gtaagcagga ctggagaggg cagagaagat accaaaattg 240
g 241

```

```

<210> 395
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 11... (241)
<223> n = A,T,C or G

```

```

<400> 395
nygngngnnc caanatatga aatntnanta tnatacatga tnaaaagott tatntatctt 60
agttagtcat taagttttata ctgtgaataa ggattaatto ccagatgacc atctacagtt 120
attaccatat agaggggtata cagggatgga togattacaa gaatataaaa cttatttttc 180
tttctgtatc cacattttct tggaaatgtg atttgaggg cctctcaaga agtggagttc 240
a 241

```

```

<210> 396
<211> 241
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 11... (241)
<223> n = A,T,C or G

```

```

<400> 396
gaggtacacc tgaatgaca atgttnggag cccccctgtg gtcctcgacc cctccactgc 60
cattgatgca ccattcaacc ttggtttctt ggcacacaca cccaattctt tgttgggtat 120
atggcagccg ccaggtgaca ggattacggg ctacatcatt aagtatgaga agcctggggt 180
tcttccaga gaagtgggtc ctgggccccg ccttgggtgt acagaggcta ctattactgg 240
c 241

```

<210> 337
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 337
 ggcaggtacc agcaggggga tgtgtttctg gggaattgtg gctctggaag ctccacgggt 60
 accagactg tggaaaaatat atctgtgcan gatagaaatc ctgcccagag gctgtttctg 120
 cttcatttga gctctctctc atgtgggaga gctgactgtg ggggttttagg agctacatt 180
 ttgaaaaagc ttacctcaaa gttctgcatt gagctgagc actggaaaag agataaata 240
 a 241

<210> 338
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 338
 gungtgacca ngacatcacc tnacaentgg aaagcganga nttgaatggg gontacaang 60
 ccttaccctt tggccannac ctgaaagggc ctcttgattg ggacagcctg gggaaggaca 120
 gttatgaaac nantcanctg gatgaacana gtgatgaaac cnacannac angcnntcna 180
 cattatataa ngygaaagct aatgatgaga gcaatgatca ttcctgatgtt attgatagtc 240
 a 241

<210> 339
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 339
 cagagtggga tgggagtggg agggccaatc tgatcacaga ggggggtgaag ggtagggccc 60
 ctgagtagcc caccctttac cctgaacgaag gcaatctctc tctgggaatgt ctcttctctc 120
 ttcagtcttg gttctgcctc agctaacgaac tgggaaggag tgaggaacat cccaacggca 180
 atgagagtat ccagtgact ccaaacagga angaatcagt gttcanaaag tcagggcctt 240
 t 241

<210> 400
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 400
 ggcactcttgg ctcttttttagc tagagtgtat gtgaaaataa agaaatacat cattgtatto 60
 aaaaacatgt gtcttcattt ataaactttt gtttaaaaaa tttttagttc aagtttagtt 120
 ccttgatatt atctcttgaa tgcagttaag gctgggcaga aattctactc atgtgacatc 180
 tgcacacagt ctattttgaa gctttttctc taatgggcac tgtttgtcct taccaggatt 240
 t 241

<210> 401
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (241)
 <223> n = A,T,C or G

<400> 401
 nnnagggtact ttgttagagca gagagagggt ttgggttcctc ctttcttcbaa tcacgtggag 60
 atgtgtcttc acctggggatt tcatctgggc cgcctttctt gggtcacacg ccaacacatg 120
 ctgttaacga cggatgggtat gtaagcgatc ttgtttctca gcaaggacat aacgcogtaa 180
 ggctctggaga atcgcatgag gcgctggggg gtcagaactg aaggcagcca ggtagtcttc 240
 c 241

<210> 402
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (241)
 <223> n = A,T,C or G

<400> 402
 ggcagggtaca aaaaaaacct aaaaanngtt tcaggaatgt agagaaatat ccaacttaaa 60
 ttggagaaaaa gtgcacacata attactgttg cactgcagtc attcttgcaa ttcccatggt 120
 ccttaaaataa ctattttgtc agataacaca caatataaag agcaattatg aaaaacagac 180
 attaacat at acttctaaag tcttatttggg aataacctgt ttggccattg ggataaccaa 240
 t 241

<210> 403
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 403

```

agggttaac taccgctcc gagaaggat tgatgaagag tccatgag ccattttcaa 60
gggggtcatg tccaaagtaa tggagatgtt ccagccatgt ggggtggtct tacagtgtgg 120
ctcagactcc ctatctgggg atcggttagg ttgcttcaat ctaactatca aaggacacgc 180
caagtgtgtg gaatttgtca agagctttta cctgctatg ctgatgtgtg gaggcggtgg 240
t

```

<210> 404

<211> 241

<212> DNA

<213> Homo sapiens

<400> 404

```

caggtactgc aacccataaa atactgtttc ctcatatttc accttcctta atttggagtc 60
ttctgtcttc ttttcaaggc attcaaagta ggaataaact ttgcttgtgt tgggtggata 120
ttgtttatag tgagtaacct tctaggagtc ggtggccagg aggatgttga actcggtctc 180
tggggcagga ttcattctgg gcgggaggac aagggggccg ccggccggga gctccctgac 240
t

```

<210> 405

<211> 246

<212> DNA

<213> Homo sapiens

<400> 405

```

ctctgggttg gggagtggag agaaagaagt tgcagggttc acaggaaatc ccagagccctg 60
aggtctcttc ccagatttga gaactctaga ctctgcataa ctatcttga gtctatattc 120
ctctgggttg taagaagatg aggaatgtaa taggtctgac ccagagccctc catgctcttc 180
gtacaaatct tgttctcttg tgcattcttc ccaggctctg gctgcccctc attggagaat 240
gtgattctca agacaatcaa tccaca

```

<210> 406

<211> 231

<212> DNA

<213> Homo sapiens

<400> 406

```

ttgtgtgaga accattcttc ggcattcttg cggttctctc ctgcattctt ctcatactgg 60
tcaagjactc cgttcagaat ggggtccagg tccacgccag gtgcagcttc catctccaca 120
ttgcattctc caccacactg gctctccagg gcattcattc cctctctgtg gttcttcttc 180
aggtaggaca gctctctctt caggctctca atctgcattc ccaggctcag t

```

<210> 407

<211> 246

<212> DNA

<213> Homo sapiens

<400> 407

```

cagcatcatt gtttataatc agaaactctg gtccctctgt ctgggtggcac ttagagtctt 60
ctgtgcata atgcagcagt atggagggag gattttatgg agaaatgggg atagtcttca 120
tgaccacaaa taaataaagg aaaactaagc tgcatttgtg gttttgaaaa gggtattata 180
ctcttaaca attctttttt tcagggaatt ttctagctgt atgactgtta cttgaccttc 240
tttgaaaagc attccccaaa tgcctc 256

```

<210> 408

<211> 261

<212> DNA

<213> Homo sapiens

<400> 408

```

ctggttcagc gagccctcggc acaactgatt ccgatcaaaa gaatcatcat ctttaccttg 60
aattttcagg gaattactga aattctctct ccagaagatag ggcacagcca ttgccttggc 120
ctcacttgaa gggctctgat ttgggtcttc tggctctctg ccaagtttcc cagccactcg 180
agggcgtaat atctggaggg caaagaagag aatttatgta ttgttgaacc tccagccaca 240
gggagggaca tgggcctaggg t 251

```

<210> 409

<211> 266

<212> DNA

<213> Homo sapiens

<400> 409

```

gttgacagta atacactgcc acatcttcag cctgcaggct gctgatgggt agagtgaat 60
ctgtccaga ccggttgcca ctgaatcggc cagggatccc ggattccggg gtatagtcgc 120
agtaaatgag cagcttagga ggtctgcttg gttctgtctg gtaccaagct aagtagttct 180
tattgttggg gctgtctaaa acactctggc tggctctgca gttgatgggt gccctctgc 240
cagaggaac agtcaggag tctgga 256

```

<210> 410

<211> 181

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 410

```

cgaaggctnc ttttngtca aaanctattt ttattctctg atattttctt tttttttt 60
tttnggtatg gggacttgtg aattttctta aaggggnnnn ttannnnngg aagaaaacn 120
ngntccgggt ccagccaaac cngtngctna ctttccacct ttttccacc tccctcnggt 180
t 181

```

<210> 411

<211> 261

<212> DNA

<213> Homo sapiens

<400> 411

```
ggtcctgcag taattgggag atgtggacac ctctgatgag gaaagcatcc gggtccacgt 60
gatggcctcc caccattcca agcggagagg ccggggcgtct tctgagagtc agggctctagg 120
tgttggagtg cgcacggagg ccgatgtaga ggaggaggcc ctgaggagga agctggagga 180
gttgggcagc aagtcagtg accaggagac ctgtccgag gaggaggaag ccaaggacga 240
ataggcagag ccaaacaggg a 261
```

<210> 412

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 412

```
ntttttcttt tacaattcag ttttcaacaa ttgagagct ttcttcattg tgncaagcaa 60
cagagctgta ttgagaggt cgttaagcata nagaacgttt gaatatcttc cagngatata 120
ggttttaact gncagagatg ggtcaacaaa cataatcttg gggacatact g 171
```

<210> 413

<211> 266

<212> DNA

<213> Homo sapiens

<400> 413

```
ttaggaccaa agatagcatc aattgtattt gaaggaaatg tagtttgccg attttatgac 60
attttcataa agtaactgta ttctttcatt gaggggctat gtgatggaga cagactaact 120
catttcgtta ttgacattaa aattattttg ggcctctgtt caaatgagtt tggagaatgc 180
ttgacacgtt ggtctgtgta aatgtgtata tatatatacc tgaatacagg aacatcggag 240
actatttcac tctcacacac ttctgt 266
```

<210> 414

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 414

```
tttgcacataa ttgagtgaag agtggcagat ggcattaact ctgctccgct tcaagctggc 60
ttcatgacaa ctcaaggcct cccacacctg ttgctcaagt tgtcctcaag tccaagcaat 120
ggaatccatg tgtttgcaaa aaaagtgtgc tanttttaag gnttttcgta taagaatnaa 180
tganacaatt ttctaccaa aggangaaca aaaggataaa tataatacaa aatatatgta 240
```

tatggttggt tgacaaatta tataac

266

<210> 415

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> n = A,T,C or G

<400> 415

```

attcattcga gtctattaat tgttgcggg aagctanagt aagtagttcg ccagttaata 60
gtttgggaaa cgttggtgac attgctacag gcctcgtggt gtnacgctcg tcgattggta 120
tgggttcatt cagctcgggt tcccaacgat caaggcgagt tacatgaccc cccatgttgt 180
gnaaaaaagg ggttagctcc ttcggctccc cgatcgttgt canaagtaag ttggccggag 240
tgttatccat catgggttatg gcagca

```

266

<210> 416

<211> 878

<212> DNA

<213> Homo sapiens

<400> 416

```

ctcgcagata gccatgggtg taccacttaa ctatgattct attccaactg ttcagaatca 60
tctcacaata tgaattgtac acagttagttt acaacgactc ccaagagagg aaaaaaaaaa 120
aaaaagacgc cccaaaattc actcaacttt tgagacagca atggcaatag gcagcagaga 180
agctatgctg caattgaggg cactatccat tgaagatgtc acaggagttt aagagacagg 240
ctggnaaaaa tctcatacta agcaaacagt agtatctcat accaagcaaa accaagtagt 300
atctgctcag cctgcggcta acagatctca caatcaccaa ctgtgcttta ggactgtcac 360
caagctcaga ttgggtgtta accaggtggc atctatgata aacgtcgccc ctcttattta 420
aaaaaggggt ctgaaggagg tgtctctcaa gcaacaagga gactgcttca gtacaagact 480
ctgcaccttg aattcaattg catcaagtgt ggatagcaaa ataagtatct taccattgaa 540
atatgtgttc agcttaagat tttaaccaac agcagaacaa aagtgagggg gagagggatg 600
ggcaggtgag gggatggggg agaaaaaaaa atcacaggat taccaccaaa gcttctgttt 660
aaaagggttc ccttcactat ccaggaaggg aagtgggaagg agaaattaac caattcctgc 720
cacagcagcc ctttttgggt gcttcacaaa tagatacttt atggagtggc acagccaacc 780
ctatctgtga cctgcccctg ggataaacac agccaagcag gttaatttag atcaagaca 840
caagggtcta ttcctcctt ccaataacaa gcagacct

```

878

<210> 417

<211> 814

<212> DNA

<213> Homo sapiens

<400> 417

```

ttctgacttc tagaagacta aggtcgggtc gtgtttgctt gtttgcacac ctttgggtga 60
taccacagaga acctggggac ttgttgcctg atgcccaccc ctgctcagtc ttctctcatt 120
caccacaggg gaggtgggat gtgagacagc ccacattgga aaatccagaa aacggggaac 180
agggattttg ccttcacaat tctactcccc agatctcttc ccttggacac aggagaccca 240

```

```

caggggagga cccaaagatc tggggaaaagg aggtcctgag aaccttgagg tacccttaga 300
tctctttctc cccactttcc tatggaggat tccaagtcac cactttcttc accggcttct 350
accagggctc aggaactaagg cgtttctctc atagctctca ctttttgga atcttccctt 400
aatcaccctt gctctctctg ggtgcttggg agatggactg gcagagacct ctctgttgcg 450
ttctgtgctt tgatgctagg aatggctgct agtt 514

```

<210> 418

<211> 352

<212> DNA

<213> Homo sapiens

<400> 418

```

ctggacccagc gattaccagc ggcattcaaa tactgtgtga ctaaggattt tgrtatgctc 60
ctagtagaac cagaatcaga caggtatgag ctagtcaaca gcaagtcttc gttggattcg 120
agttaggtca ggatctgctg aaggtcggag gagttagctc ccgcaatcaa gagctgtctt 180
tctgaaagcc ctctgtgata ttttgcacac cagccaagaa tgaggatgca tcttcagat 240
tctctatgct ccgaacctgg aacctatcaa cgttagcttg cagccaaaaa tccagagcat 300
ctctcacttt ggtggaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 352

```

<210> 419

<211> 344

<212> DNA

<213> Homo sapiens

<400> 419

```

ctggacccagc taaccccttc taagtggctg gatggtcaca cctctcccat tgacaagctg 60
ggttaagtcg ataggtctgac taggatcaac accaaccaaa tcaataagat actgcagctc 120
atcgagaccc aaaggcttat actgggctct gaaactatgt ccttcgttaa accgtactt 180
tgggacttgg agtcaaaatg gagtcctggc tccctcaag cccaaggcgg gcggggcttc 240
tctctgcttc tctctcttat ggctctctgc acatctctca cctctctctc gacctcttgg 300
tctctctctc ggctctcttg agcggggatt cggcttcaag tctg 344

```

<210> 420

<211> 335

<212> DNA

<213> Homo sapiens

<400> 420

```

cyaaaagtcac cgttaagggg ctccaggtgaa ccctgatgat gaacttctgt cgactttgaa 60
atattggctc ttgtgggtga caaaagccag accaagctgt gctgtggctc gattttaaga 120
ccaggtcttc aaagatccaa aggagggaaa gggctattgga aacactgtgt atcatctgag 180
anacacgtgt cctcatgata ttaaatgctt actttaaagg cactcaatac tgccttcac 240
tctgttcaga agagattctt acaaaagcac tcagaattct ggaggcagat gttatttga 300
tctgtgggag ttggctctgt gactcgggca ggtgtgaaag ggttaaaatc cactctgaa 360
tctgtgcttc gctctctggg acccagcaca ttgttagacc atctctctga ctgaaaattc 420
tctctctgag ctgagcctct caccaccacc tctctctctc taactatgaa ttgatggcaa 480
actcactcca aaacaaaccg ttaagtcttc accagagagt agtcaagcac ctccagaaag 540
aaacggggct tttgttcaca tagcaggaag tgactccttg ggtggtaatt catcttgaa 600
acacaggttag attggcagaa aaacgggaac atgtaggtac cgggatgttg gtgcattgct 660
attacttttg gataggtctt ctcagtcttt cctcaaatga tagttgagcc agttttccag 720
tggcaattct gagtgaattg cgttctctt atggtgtggt caagggacgt tcagaactac 780

```



```

ggaaaaacttt taactgaaaca gccaagcaga gtataccggc atgagagggga agatgaacac 840
tcacctatgt accactcttt gacaataaat atagtatttc tcaaaaaaaaa aaaaaaaaaa 900
agtaaaaaaa ctgaaatcgc aagtcacaaa atcca                                     935

```

```

<210> 421
<211> 745
<212> DNA
<213> Homo sapiens

```

```

<400> 421
ggcttcgagc ggcggccggg gcaggctccta gatgtcattt gggacccctc acaaccattt 60
tgaagccctg ttcgagtcct tgggatatgt gagctgtttc tatgcataat ggatattcgg 120
ggcttaacaa agtcacctgc ttggcttcta ttctgaatcc ttttctttca ccattggggtg 180
ccctgaagggt ggctgatgca tatggctaaa tggcacccag tctaaagcag ctacaattag 240
gagtgagatg gttctgtagc atctatatta aataagccta ttttatcttc tggcccgcca 300
actccgttat ctgctgcttg taactggtgc tgaacttttc tgaactctat tgaccatatt 360
ccacgacuat ggttgctcct cattaactga tctactttta catgtctagt ctgtgtggtt 420
ggtggtgcat aggtctcttc ttacatggcg ctgcacagcc agctaattaa tggctgcact 480
ggaactctag caagcgggct cactggaaga gactgaacct ggcattggaat tcttgaagat 540
gtctgggggt ttttcttttc ttaactgaaa gttaacattg tctgaaaagt tttgttagaa 600
ctactgggga acccacaacat cagtagattt ggaagtgatt caaagctaaa cttttctctt 660
ggctctcttc gctctctaat tggctgcaag tctaatacta ggatgtccaa gatgccagtt 720
tttgctcttc tgttagttgt cagac                                     745

```

```

<210> 422
<211> 764
<212> DNA
<213> Homo sapiens

```

```

<400> 422
gagttcagta gcaaaagtcac acctgtccaa tttctcgagt ttctgtcact cagctaattg 60
gatggcaaaag gtggtggtgc tttcatcttc aggcagaagc ctctgcccac cccctccaag 120
ggctgcaggc ccagttctca tggctgcctt ggtggggcat ctgttaacag aggagaacct 180
ctgggtggcg gcagcagctt tggctcgagt gctacaaa gtaaatgcttg gtgctagaaa 240
ctctatcttt attaaaactc agaaaagcag cagccatggt cagtcaggct catgctgctt 300
ctctgctcaa gtgcttgca ggcctgcctg ccaagctccc ctctctacac ctggcacact 360
gtggtctgca caaggctttg tcaaccaaa agagctccc ccttttgatt gctcttagac 420
tttggagcca agaaaacact tgtgtgactc tacacacact tcagggtggt tigtgttcaa 480
agtcattgat gcaacttgaa aggaacacgt ttaatgggtg aaatgaaact ccatttataa 540
ctctctgttt tttattgaga aaatgattca cgaattccaa atcagattgc cagggaagaaa 600
tagtaacgta cggtaactgg cctctgtgatt ctccacagcc ttgcagtccg ctaggctgaga 660
gtaaaagctt tttacttcgg cccctggcag ggaattctgg gttatgggag aaaccagaga 720
ctgtaactag gaaaatatga actacagtag aagccctggg gcag                                     744

```

```

<210> 423
<211> 1041
<212> DNA
<213> Homo sapiens

```

```

<400> 423
ctcagagagg ttgaaagatt tgcctaogaa agggacagtg atgaagctaa gctctagatc 60

```

```

caggatgtct gaattcaaat tgaaactccc aaagtaatga gtttgggaagg gtgggggtgtg 120
gcctttccag gatgggggttc tttctgtctc ccaggcgata gtgaaacccc tgtctgcacc 140
tgggtggggg tgtctgtttc ccaaaaggtt tttttttagg tccgtcgtctg tcttctggat 240
taggcattat tatctttact ttgtctccaa ataactctga gaatggagag agtagtgacc 300
agctcagggt cactgtcgga tgaggacact ctctccacct ctctaaatgc aggaagaaa 360
gcagagtaac gtgggaagtgg tccacacctc ccgcacagac attgtgaatg acatgaaccc 420
cggcaacctg cactgtctca tcaatgccta caacaggatc tgggatgtag ttcagccaca 480
tcattgctat ttatgaggtg tttctgttag atccgaaatg tgggacagat gagagggaga 540
gtataaaatg agcgggaagag gcaggtctct agtttgagca aatagattaa taggcacagt 600
gtcccccagg aggcacacct gcctgttaagc tgggttcctgg cactcagctc gccttgcagg 660
gatctgaaca aacctccag aacctcgggg gtgcagagct gagagggacg cagtccaca 720
ctcagagggg tgagagtaaa tatgtgtgct cgtctgtgac ctccacgaaa ggcacaaatg 780
aagaagagct aagtcagaga gcagcaaaagc actctctggg gcgggggata atccaggcag 840
gcctctggga gttctgcatt ccaaggataa ggaggacctg aacatggcct ttgcctaagg 900
cgtgggcctc tcaaacagca ctagggtgctt atctggagct cagctagggg aggagacago 960
tcaggggcat tgggtgtcagc cagagactct gtaactctcc agggagctcg ctcaacctgc 1020
tcagctcgtc ctgcacagca c

```

<210> 424

<211> 1288

<212> DNA

<213> Homo sapiens

<400> 424

```

ctaagaactg agacttctga cacaaggcca atgacctaa agtagccacg ggttctagct 40
ggaaagaccca caacccaagg atgggaaggc cctgtccaca agctcacta gatggataga 120
ggacccaagc gaaaaaggta tctcaagact aaaggcggga atctggaggt ccctgacctc 180
gaaacccagg aggatagaa agctgaagac tggggaaatc ccaagatgag aaccccaaat 240
ctaacctctt tctcattgtt cacactctct actcttagat attccagtc ctctgtctca 300
tcttcaagcc tgactctttt gagatgtact ttttgatgtt gcctggttac tttagattga 360
cagttattag cctgggcccag tcttgagcca gctttaaatc acagctttta cctatttgtt 420
aggctatagt gttttgtaaa ctctctgttc tattcacatc tctccacct gagagagaca 480
cctaaaaccca gtcagtatct aatctggctt tggtaacct cctcaggag cagacattca 540
tctaggctgat actgtatttc agtctctct tctgacccca gaa-gccctag atcgagaaga 600
tcaaatggct aggtctgttg ggaaaaaaaa gtgcacaggt ctctagagaa aaatgtgaag 660
a gctgtctca ggccaatgag aagaattaga caagaaatc acagatgtgc cagactcttg 720
agaagcacct gccagcaaca gcttctctct ttgagcttag tccatccctc atgaaaaatg 780
attgacctct gctgggcagc agggaggatg atgacaaact aattcccaaa cccagctctc 840
attgctacca gccttggggga accactaca ctcgagccac aattgggttt gaagtgcatt 900
tacaagtttc tggcatcact accactatg attaaacaag aataagagaa cactttatca 960
tctatctgtt tattcacata aatgaagtgt tgatgaataa atctgctttt atgcagacac 1020
agggaattca gtgggttctg cattgtctct cactccaaa gatattttat tccaaaagct 1080
atgataaatg gaagactctt gaactctgtg atcgatgtga aatgcagaat ctcttttgag 1140
tctctgtgtt ttgggaagatt gaaaaatatt gtcacagatg ggtgaccacc agaaagtaat 1200
cttaagctat ctgagatgtc caattgaaac aaactgggga gttggttctt attgtaaaat 1260
aaaaatctct gttttgaaaa aaaaaaac

```

<210> 425

<211> 446

<212> DNA

<213> Homo sapiens

<400> 425

```

ccatttaaaag ggtgcctctg ccaactgggtg gaatcatcgc cacttccagc accacgccaa 60
gctaacttcc ttccacaaagg atcccgatgt gaacatgctg cactgtgttg ttctggggga 120
atgggagacc atcgagtagc gcaagaagaa gtcgaaatac ctgcccacaa atcaccagca 180
cgaataactcc ttccctgattg ggccgcgcgc gctcatcccc atgtatttcc agtaccagat 240
catcatgacc atgatcgtcc ataaagaactg ggctggacctg gctggggccg tcagctacta 300
catccgggtcc ttcatcactt acatccctct ctacggcacc ctgggagccc tcttttctct 360
caactccacc aggttctctg agagccactg gttctgtctg gtccacacaga tgaatcacat 420
cgtcatgtag actgaccagg aggaac 446

```

<210> 426

<211> 874

<212> DNA

<213> Homo sapiens

<400> 426

```

tttttttttt tttttttttt ttttttcaat taaagatttg atttattcaa gtatgtgaaa 60
aatctctaca atggaaaactt ttattaaatg ctgcctgtac tgtgctatgg accacgcaca 120
tccagccctg ctgtttcaga agacttgaaa tgcctatgat agtttcaaaa cctcacaccc 180
gtctggagat ccaggaagac aatttaactg ttcatctgaa tccagaggtg catcaaatca 240
atcgacagct ccacttggca aataatagct gttacttgat ggtatccaag aagaaatggt 300
tggtagtgga taaattcaga aatgcttccc caaagggtgg tggtttttaa aaagtcttca 360
ggtcacaucc ctctgagaaa acatcgatgc ccaacacact gattcggggt ccaggaacaa 420
cgggtcttcc aagtctcaag gggtcggggt tcccacaaga tcaagtctct gtgtgtgaat 480
cagaggggtc ctctggactg gatagggagc actcgggagc tgtacaccat cagtcataat 540
ggtcggtagt gtaaaagatg atccaaatga ctcgagatgc tctcgaggag tggtagacca 600
gacccaggag tgcactgta gggtcgtctc ttgctcttag tcatcacaca cacacacaga 660
tccagagtag caatggctct tctgttaaca ggaaaaaagc ctcttgctat tcccaagaac 720
ctctgtaatg gcaaaaactc ccaaatgaca cccaggacca cagcaatgat cctcgggaac 780
cagtagatca catctaaaaa tctatcttta tcttcccagg ccgggtcgtc ccgtagaccc 840
tcaactcaga cggagacttt gagggccccg ttgg 874

```

<210> 427

<211> 638

<212> DNA

<213> Homo sapiens

<400> 427

```

acttgtaatt agcatttggc gaaagctgga aggaagataa ataacactaa actatgctat 60
tcgattcttc tcttgaaaag agtaaggctt acctgttaca ttttcaagtc aattcatgta 120
aaaaatgata gtgattctga tgtaatctat ctcttgcttg aattcgctat taaaaggcca 180
ataatttaag ttgctatcag ctgatattag tagctctgca acctgtatag agtaaataaa 240
tcttatgggc gggtgcacaa tactgctgtg aattctattg tatagtatcc atgaatgaat 300
tctatggaaat agtatattgt gtagctcaat ttatgcagag attaaatgac atcataatac 360
tggatgaaaa ctctcataga attctgatta aatagtgggt ctgtttcaca tgtgcagttc 420
gaagcattta aataaccact ccttccacag tttatttctt tctcaagcgt tttcaagatc 480
tagcatgtgg attttaaaag atttgccctc attaacaga ataacattta aaggagattg 540
tttcaaaata tttttgcaa ttgagataag gacagaaaga ttgagaaaca ttgtatattt 600
tgcaaaaaaa agatgtttgt agtgttttca gagagagt 638

```

<210> 428
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 428
 acaagatgat tcttctctct caatttgaca gatcaaagaa gtatcccttg ctaattcaag 60
 tgtatggagg tccctgcagt cagagtgtaa ggtctgtatt tctgtttaat tggatatctt 120
 atcttgcaag taagggaagg atgggcattg ccttggtgga tggctgagga acagctttct 180
 atggtgacaa actctctctat gcagtgtatc gaaagctggg tgttcattgaa gctgaagacc 240
 agattacagc tgtcagaaaa ttcatagaaa tgggtttcat tgatgaaaaa agaattagcca 300
 tctggggctg gtcttatgga ggatacgtct catcattggc ccttgcctct ggaactggct 360
 tcttcaaatg tgggtatagca gtggctccag tctccagctg ggaatattac gctctctctt 420
 aacagagagc attcatgggt cctcccaaaa aggatgataa tcttgagcac tataagaatt 480
 caactgtgat ggcaagagca gaattattca gaaatgtaga ctatcttctc atcca 535

<210> 429
 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 429
 acctttttca accttgagca ttaacactgc ataccaaggg ggggtgggtc aagaagctgg 60
 ttagatcgaa gcaacaagca aagccactga cactctctat gtgacaggc ttttcaaaa 120
 aatatcatag ttttcaataa ataattgctta attttcaaac ttggatacag caatgtcata 180
 caccgtttca acacaactaca cctctgcctg tagatagctt acgagaagac gaaaactttg 240
 catgcatttt ctttccccct tagtgcctat aaacacttca tcttccagcg cactgctcca 300
 ggtacgtttc cctctctctt gtttccatgc aatagggcgt gctgtggcat gcaaaactct 360
 aaaaaggctc cctcccaaaa ccaatccagc tcttccacaa aagggttctt cagctttctt 420
 gctcccaaac ctggagtggt taagaaaagta agtttccatg ggctctggaa aatacacact 480
 tgttaacagt gcatgctga aaactgctct aaaaacatcg gtgggtctgt cctgggtggc 540
 gtcccggaagc atttatgggt gcataaacca ctaggagctc caaacgggaa aaaataggcc 600
 tctgttttaa aacagtcact tcaaaaaagg tgtccataga caaatgaaa agactcttaa 660
 accacacaca tatgt 675

<210> 430
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 430
 acctctgcca gaagtcacgc gagaggacct cacagtacag cataggccac tccgggagtg 60
 caccagaaga ttcattctca tggagggaaga aggtctcaaa cgtgaattgg taggagaagt 120
 gagccacctt gtccattgac agggactctg tggctcaggt ctgtgttact cctgagagct 180
 gctgggaatg tgggtctgac cagttagcag tggccaattc tacaagaagc tggacgtaga 240
 gattgtcata ctcatagctt tgggtcgaaa cgacctctcc atttcaaaag agtcggaggg 300
 cacttgggac agtcatctca aagtgggtgc ctacgaggtc gctgagatac tctttgtgac 360
 ggccataaag atctttgaac actcgcggtt cccgctcttc ctctccggc tgtgctgtgg 420
 gggaaacatt gtgc 434

<210> 431
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 431
 aacaaagcct ccagcccgac ccagcggcct aatgaaactc tggcaacctc tctggggcgt 60
 ggccacgagt atccagctcc aagcccaagt gaggcgggga gtcaacttcc ccctgattgc 120
 caagcgactc agaccagaag cagggacgat taggttagtt ctggggcaag gtgaactgga 180
 gaccttctct ctggccctct tccctggcct gtccacaga catcccgctg tttaacccac 240
 tggcttttgc aggacctgct ctgtccactc caaatcaaaag gatacttgc tctttcttac 300
 acagactccc atctctctgc tcatagtggc ccagggctgc ccgagaaaaa gaaacttggg 360
 ttagtagaag gctcattagt gtgaaggagt gagaggccag gccttctctg gacataatgc 420
 tctctatgct gttctctaaa cacttggctc acacacaata cctgggcagg aagagagaac 480
 caagcactac tggatggctc tggagccagg ggacttctat gcacatacaa ccaacatcac 540
 cccactctgc tcatctgtgc ctccacctg aacagcagag t 581

<210> 432
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 432
 actccaactc aagcttacaa gttacacctt tggcacagcc ctggctaaat ctggaactag 60
 tgcagaactc agctgtggta gagtgtgat cttagcatgc ttcgatgtgg catacttctt 120
 ctgacagctc atgtgctttg taagtccttg atctaccatg actacattct tagccagggt 180
 ctgcttaact ggaagaagag attcttcagt atatgacagg caatgtttga gagtgtgctg 240
 ccattcacca tcatccagaa tcttcagtgc taagcaaaaa gtcctgcttg caatttgaga 300
 aggaggaaag tgcaccatgc cctagtccaa catagttagt tccatccagg attcggccaa 360
 agtaccgttc tgcacatcaa cctctccaat cctagatgct ctccgaagga agtgcaaaag 420
 tagcggctga ccagagacca agtttaaagg tcttagaact ttcatttcca tctgtctgat 480
 ttggtgctta gtataagtg tctcagtcac aaaagcaag tcaccaattc ct 532

<210> 433
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 433
 acttgggttt acagctcttt tgaaaactct ggtttcggaa tatctctaaa aacatagaaa 60
 acaattacagt ggttttagaaa ttaactaatc tacttctaaag tcatccataa accttgtcta 120
 tgaattgaat tcttaaatat ttagttgata gactgtcaca ggtaaatagg accttagcaag 180
 ctctcttata tgttaaaagg gcatctatca gatttaagta gaacatttgc tgtcagccac 240
 atattgagat gacactaggt gcaatagcag ggatagattt tgttggtgag tagctctcat 300
 ccttgagatc tgttggtggt ttcaaaatgg tggccagcca gatcaaggat gtagtatctc 360
 atagttccca ggtgatattt tctttattag aaaaatatta taactcattt gttgtttgac 420
 acttatagat tgaattttcc taatttattc taaattttta gtggttcttt ggttccagtg 480
 ctttatgttg ttgttgtttt tggatggtgt tacatattat atgttctaga a 531

<210> 434
 <211> 530

<212> DNA

<213> Homo sapiens

<400> 434

```

acaagagaaa acccctaataa aaaggatggc tttagatgac aagctctacc agagagaactt 60
agaagtggca cttagctttat cagtgaaggga acttcacaaca gtcaccacta atgtgcagaa 120
ctctcaagat aaaagcattg aaaaacatgg cagttagtaaa atagaaaaca tgaataagtc 180
ctctcatatc ctaaatggca gtgtagccag tgattatcta gatttggata agattactgt 240
ggaagatgat gttggtgggtg ttcaaggga aagaaaagca gcacctaaag ctgcagcaca 300
gnagagggaag attctctctg aaggcagtg tggtagatgt gctaatgaca ctgaaccaga 360
ctctgcacct ggtgaagatt ctgaggatga tctgatttt tgtgagagtg aggataatga 420
cgaagacttc ctatcgagaa aaagttaagt taagaattt aaaaagaaag aagtgaaggt 480
aaatccccca gtagaaaaga aagagaagaa atctaaatcc aaatgtaatg 530

```

<210> 435

<211> 677

<212> DNA

<213> Homo sapiens

<400> 435

```

acttatgat ctaatttaata gatattagaa acagttagaaa gacaagttac atgtcaatgc 60
cnaatgacta gagtcaacat taaagagttg taatttaagt aatcnaaact gatctctaatt 120
tccnaaaaca tttataaaaat gtatttgggt ttgggaatcca caggactcca aacaagcaaa 180
gtctcaatgc agatagtcac aaagatgtag atacactgaa acactcaaga gctttattaa 240
tgatttttgt tattttggat cttctgtctt tttcttatta tggtcagaag cctccttaat 300
acnaatttat cagacagaag catgtcatct tgttgctcaa gataatccag taaattttca 360
gtcnaatcaa gtgcctgttt atggcttaata cgtctctctg gattcagttc tjtcttttca 420
ctctcactgg aaggtttttg cttagcagcc tgggtctggc cctcagcact ctcaactgtc 480
gtcagcactc gacagcttga gtcaatgcct cgagagtcga accactgato aatattttca 540
atgtcaacat gtcacatctt tctgtgtctt tgtaaaactg tggctaaatt agctgtctaa 600
atggctctct catcaatgtt catcctgaa tctctctcat tgcaggggaa aagttttttc 660
cttgtcttgg ttatgggt 677

```

<210> 436

<211> 573

<212> DNA

<213> Homo sapiens

<400> 436

```

acctcttagg gtgggagaaa tggcgaagag ttgtccctac aacttgcata cttagtggac 60
agggtagtag attagatca tccggataga tgtgaagagg aaggctgttt ggataataat 120
taaggataaa atttggccag ttgacagatt ctgtctccag cagtctttac agcaacagtg 180
gagtgttca gtatgtgtgt cctgtaaatt taattctgat ccgtaactat ttgggtatca 240
atgtgtgttg aagtcttgtc ctatgggaaa agtcttgggt tgcaggggtg cagttaagat 300
ctctgagatg aggaatggga tgggtcaatt tttggcgtt tttctggat tgggggcattg 360
gnaatatcag tagggtagtt tagttcttta cacagaacat gataaactac acctgttgat 420
gtcacctgtt gtaaatgaat attatagaag gtatgaaggt gtaattacca taataacaaa 480
acacactgtc tttagggctg acctttctgc ctttgacctc cttagcctcc attcccatct 540
tgcctcagac tgcgaagtatg tttgtattaa tgt 573

```

<210> 437

<211> 645
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(645)
 <223> n = A,T,C or G

<400> 437
 acaattggta tccatatctt gttgaaattg taatgggaaa acaatatatt tcaatctcta 60
 tctagatagt gggcttttct tttcataata tattctttta gtttactgta tgagttttgc 120
 aggaatgcat aatagatcac cacaatcata acatcttagg accacagaca tttatgagat 180
 catggctctt gggggctaga agtatgtcca tgtcttaact gggctctctg cttagtctta 240
 tttggctgca atcaagggtg cagctgggtt gaattttcat ttgggaatct gactgggaaa 300
 gagtctgctt ccaaggctat gaagtctgtt ggcataatgt atgttttcat gacagtatga 360
 ctgaaatccc aagctatctc ctgactttta gctgggtaat cttagggcct aaatgttgcg 420
 ttaggtctct agaggctggt cccagttctt agccatgttg attctctcaa catggctgct 480
 tggcttcaca agtcaggcaag aatagctgtt catatcagtg tatatcagga tcaactcagga 540
 ttaatttccc actgatgagc caaacactaa ctgatttttag agcttaacta catctgcaaa 600
 atttngttca ccagaggcca gtcatttca ggggaaggaga agtgt 645

<210> 433
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 433
 acagaattga gagacaagat tgcctgtaat ggagatgctt cttagctctca gataatacat 60
 atttctgctg aaaatgaagg aaaagaaatg tctgtctctg gaatgactcg agctagacgt 120
 tctcaggttag aatagcagca gctcatcact gtggaaaagg ctctggcaat tctttctcag 180
 cctacacccc cacttcttgt ggatcctgag cgattaaaaa atcttttgaa gactgttgtt 240
 aaaaaaagtc aaaaatcaca catatttcag ttggaaaatt tgtatgcagt aatcagccaa 300
 tgtattctac ggcctcgcga ggacatgat aaaaatcac cctattcagaa aatggagcaa 360
 gaggttagaaa acttcagttg ttccagatga tgatgtcatg gtatcgagta tcttttatat 420
 ttgttctcca tccaagtcct ttttgtcag ttccgttaat tgatgtagta tgaacccctg 480
 cttct 485

<210> 439
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 439
 acagagagct cctcatcccc ggagctgctt ttgaacaggt catttaccat actgtctctc 60
 aggttcaaca gcatggctcc aaatgatgaa atttcattct gattttcttg ctgaagaacta 120
 tctctctctg gcatgtccac cccagttact ttatcccccc atctgtggat gggtagaatg 180
 aaacatatat ggaaatgttc tctgcaataa aaacagcagt ggtaacacag atgtaggctc 240
 tgagtgtctc actggagact gaagtccaca gatatgcaac aaagccttct tctccttgat 300
 gtcttttgct cctgtctggt atgtgtcttc acacatcaag agaggacatt taacatttga 360
 gccacagctt catttgctgt tgtctgatgg ttgggttgga gagaatttga actggagatg 420

```
aacttttatta tccaggagcgc tgagagtata acatgcctga cagagctttt agagcactgt 480
gatgtaacat gtcgaagcaga aataggggagc atgtttacag ccattctatg aaa 533
```

```
<210> 440
```

```
<211> 341
```

```
<212> DNA
```

```
<213> Homo sapiens
```

```
<400> 440
```

```
tatgggggtag ggggggtcggg gattcattga attgtgggtg gcaggagcaa gccctgctca 60
cactctcaca ctccgcaccca gaattgtcaa agatcacagat tgtaaaaatc taagatccct 120
cagcttcact cacaataaat aaaatctcat gtcccacaacg aacccagagt cagacgacag 180
ctggagcatt ggcaggggaca gtcagaaaag agacaagtga aaacggctag atggacacag 240
ggggaggaga aaagacagag ggagagagac catcgggaac aatcagaggg gccgagacga 300
ttagaaaagg gtcagcccca gataggctga gccagagttt c 341
```

```
<210> 441
```

```
<211> 572
```

```
<212> DNA
```

```
<213> Homo sapiens
```

```
<220>
```

```
<221> misc_feature
```

```
<222> (1)...(572)
```

```
<223> n = A,T,C or G
```

```
<400> 441
```

```
aagtttgggg ataatttatt atgcagcaag agataatata caggacttcc canagcactc 60
aatatgtnaa tataaatctc caanaaaaaa gatatacaat gaaacattcc tottagtnat 120
ctggccaagg anacttntt tctttganaa tatcttccaa aaagctgacc taatgatatg 180
gtctcgggccc tacaattcca tctaactctt aacctcgatt ctatctcatg agcaaatcat 240
ctatccttcc agaacctcaa cttttccctt ttacaaaagta gaaataaacc atctgccttt 300
atataaatca ttaatatagc cctggatggg cagattctga gctatttttg gctggggggg 360
gggaaatagg ctgtggagggt cctaaaaaga tctacggggc tccagatggg tctctgcaag 420
gttggaggtg ggctcagggc ccattttagt ctttgttccc caggccattt ccacaaaatg 480
gttgagaaata ggtctctctt ttagcttggc cataactcaa agatgggggg catggacctg 540
ggctttctca ggctaggggc tgaacctctt cc 572
```

```
<210> 442
```

```
<211> 379
```

```
<212> DNA
```

```
<213> Homo sapiens
```

```
<220>
```

```
<221> misc_feature
```

```
<222> (1)...(379)
```

```
<223> n = A,T,C or G
```

```
<400> 442
```

```
tcccagctgg actgcttaca cgtcttctct cgtnttccac taacccagagg ctgactcctt 60
cccagntgt gcagctgccc accgcaaggg cagcagcagc aatgagcctt cctctgactc 120
```



```

getcagctca cccacgctgc tggccctgtg agggggcagg gaaggggagg cagccggcac 180
ccacaagtgc cactggccga gctgggtgc atacagagagg agaaacacat cttccctaga 240
gggttcctgt agacctaggg aggacottat ctgtgggtga aacacaccag gctgtgggac 300
tcaaggactt gaaagcatcc atgtgtggac tcaagtccct acctcttcag gagatgtaga 360
aaaacgcatt gagtgtgta
372

```

<210> 443

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(511)

<223> n = A,T,C or G

<400> 443

```

aatggccccc aaaggctcgc ttccattgcta cgattctcta cttaaatcca cattccacag 60
tattgcccctc gacccctctgg agggaggggc aggggttagc tggcttcgaa tagcatgtag 120
aggacaggga gctgaggccac aaatgtccac caggtgacca ggggtctata gatgggtgtc 180
ctgttgactt gggcttctag tctctgctcc gtgtctgaca gtgccaagat catgctcccc 240
tgcctccagca agaagctggg catagccccc tctgctgggt ccaccaggcc tgggtgtgct 300
gcagactctc caagctgaac cacccccagg atttggctac aagtctcttc taggcatcca 360
agctgctctc gtaagcttcc tagacatgaa tggacttgc tgggaatgact aagctgctct 420
tccaaggcag ctgaaaaggac atcnacatct ctgtctctgg tggggggact acctgctgt 480
gacccagagt cctgcccctgg cccagccagca t
511

```

<210> 444

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(612)

<223> n = A,T,C or G

<400> 444

```

acagggaagaa ttctacagtt aactatcac agtgttccag caaagcatat gttgaaaact 60
acagtcttca atctaacatc taaattttaa aaagttagct ttcagcaaca aacaagctca 120
gagagggtca ttggcaaaagt gaaataacag aactattgct cagatgtctg caaagtcaag 180
ctgtctgccc cagctccgcc cacttgaagg cttaggcaga cactgaaggt ggggggtggc 240
ctctgggagg accattcaca gtggcatcat cacaaggagg tagcagccc gtagtgtcat 300
tctgtggtaac ataaaccagg acatcagagg agttccctac attgatgtat cggtagcagt 360
tccaaacaca gctaatcaag taacctttaa aagtcaagat aatgctatta aacagaagaa 420
taataaggac caaacaggta ggattcactg acatgacatc atctctgtag ggaaaattag 480
gaggtagctg ccgtatgtat tcttgaatgg agtttggata aataagcaca gtgattgcaa 540
cgaacacatt cagggcaaaag tcaaaagatct ggtaacagaa gaatgggatg atccaggctg 600
cggttgctt gt
612

```

<210> 445

<211> 708
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(703)
 <223> n = A,T,C or G

<400> 445
 accatcctgtg tccaacagag ccattgccta ttcttaaatt gaatctgact ggggtgtgccc 60
 ctccctcgggaa caccacagta gatcttaata gtggaaacat cgatgtgcct cccaacatga 120
 caagctggggc cagcttccat aatgggtgtgg ctgttgacct gaagatagct cctggcctccc 180
 agatcgactc agcttggtatt gtttacaata agcccaagca tgttgagttg gccaatgagt 240
 atgctgggctt tctcatggct ctgggttttga atgggcacct taccgaagctg ggcactctca 300
 atattccatga ctacttgaac aaggggccatg aaatgacaag cattggactg ctacttgggtg 360
 tttctgctgcg aaaactagggc accatggata tgtctattac tgggtctgtt agcattcgca 420
 ttctctgctct cttaccacca agtccacag agtctggatgt tctccacaat gtccaagtgg 480
 ctgtcagtggt tggcattggc ctgttatatc aaggggacag cccacagacat actgcagaag 540
 tctctgtggc tgagatagga cggcctctctg gtcttgaaat ggaatactgc actgacagag 600
 agtcataccc cctagctgct ggtttggccc tgggcctggt ctcttggggg catggcagca 660
 atttgatagg catgtctgat ctcaatgtgc ctgagcagct ctatcagt 708

<211> 446
 <212> 612
 <213> DNA
 <213> Homo sapiens

<400> 446
 accaagcaagc cgcagcctgg atcatcccat tctctcgcta ccagatcttt gactttgccc 60
 tgaacatggt ggttcgaatc acgttgctta tttatccaaa ctccattcag gaatacatac 120
 ggcacatgccc tctcaatttt ccttacagag atgatgtcat gtcagtgaat cctacctggt 180
 tggctctttat tattctttctg tctattagca tctctctgac ttttaagggc tacttgattt 240
 gctctgcttg gaactgcctc cgatcacatc atggttaggaa cctctctgat gtcttgggtt 300
 atgcttaccag caatgacact aaggtgctgc taccctcgta tcatgatgc accgtgaatg 360
 gtctctgctaa ggagctaccc ccaacttaag tgtctgccta agccttcaag tgggoggagc 420
 tgaagggtagc agcttgactt tgcagacatc tgagcaatag tctctgttatt ccaacttttg 480
 catgagcttc cctgagcttg tctgttgcct aaatgctact tcttaaaatt tagatgttag 540
 attgaaaaat gtagttttca acatatgctt tcttggaaca ctgtgataga ttaactgtag 600
 aattctctct gc 612

<211> 447
 <212> 642
 <213> DNA
 <213> Homo sapiens

<400> 447
 actgaaagaa ttaaagtcag aagctctccc aaaacaaaaa gaactgccc cagagaaaaat 60
 cctctctgat acttttctat gctaaaaata aacaggcggg aaatgtggaa aagaaattca 120
 acaaaaataat gtatgaccag aagaacaagt cctagatgat tcaagttcaa aaggtaagct 180
 ccagcaatgt ggaagaggta aagaaccaat tagacaagct gacgaggaat atctctcttt 240

```

ttggtttttct ggaagtagag ttccaggaaaa gcattgaagcc agtaagccag ctgtgatatg 300
tagaaaaaact tcatttgaaa tgcctccagg ttatggggat aagccctcca taagatagtt 350
gggtctgaga tgtagttttc agagatgaga atgaatgtgc cccaaaacaca ggcaaaaagg 400
tagaacgcac taagctgacc agattcatta aacttgcctg gttttgtttt ggagaagtgc 450
attcgctctg taattttcct caacatatac tcttgaatta cggcatgaat aattatcgcc 500
attagctctg agaagaaaaa agtagccaaa tcttggatgc catagtaata aagggacact 550
gattcagtag ctctgtcttc tcttgcctgg agggcgacat tg 600

```

<210> 443

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 443

```

atcagaagac ctcagaaaaa ggaggaaaagg aggagaggca gataatttgg atgaattcct 60
cnaagngctt gaaaatccag aggttcctag agaggaccag caacagcagc atcagcagcg 120
tgaatgttct gatcagccca ttattgaaga gccaaagcgc ctccaggagt cagtgatgga 180
ggctagcaga acaaacatag atgagtcagc tatgcctcca ccaccacctt agggagttaa 240
ggcaaaaagt ggacaaaattg acccagagcc tctgatgcct cctcagcagg tagagcagat 300
ggcaatacca cctgttagag tccccccaga agaacctcca aatattctgt agctaatacc 360
agagctagaa cttctgcctag aaaaagagaa ggag 394

```

<210> 449

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(494)

<223> n = A,T,C or G

<400> 449

```

acaaaaaata caagggaatac aaaccaatag aaaatagtcg tgggaatgtg gtcagaagca 60
aaggctctag tgcctttctc aacgtgcga aagcctgtgt cttcccgga aaccaggaaa 120
aggatccgct actcaaaaaa caagaattta aaggagtctt ttaaatttcg accttgttct 180
tgaagctcac ttttcagtgc ctttgatgtg agatgtgttg gagtggctat taaccttttt 240
ttcccaaga ttattgttaa atagatatcg tgggttgggg aagtctgaat ttttataggt 300
tcaatgtcat tttagagatg gggagaggga ttatactgca ggtagctcca gcatgttgt 360
gaaactgata aaagcaactt agcaaggctt ctattcatta tttttatgt ttacctata 420
aagctctagg taactagtag gatagaaata ctgtgtcccg agagtaagga gagaagctac 480
tattgattag agcc 494

```

<210> 450

<211> 547

<212> DNA

<213> Homo sapiens

<400> 450

```
actttggggt ccagacttca ctgtccttag gcattgaaa caccacctgg tttgcattct 60
tcattgactga gggttaactta aaacaaaaat ggtaggaaa gtttcctatg cttcgggtaa 120
gagacaaaat tctttttgta gaattgggtg ctgagaaaag cagacagggg ctgattaaa 180
aagacatttg tccaccaatg ccaccaagtt aagtctgtga acccaaaagg gacggccatg 240
gaaaacgtaga tcatcagctc tcttaagtag tttaggggaa aaacatatto aaaccagttc 300
ccaaatggga tctgtgggtt acagtgaatg gccactcctg ctttatcttc cctgagattg 360
ctgagaat aa catggcaatt atactgatgg gcagatgaac agatgaacat catcatccca 420
agaatctgga accacgttgc ttgcataaat agatttttcc ctgttatgta ggcattcctg 480
ccatccattg gcacttgggt cagcacagtt aggcacacaa ggacataata gacaagtcca 540
aaatagt 547
```

<210> 451

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(394)

<223> n = A,T,C or G

<400> 451

```
actacttint gggttaaaaang ccactggtag agtcacatga ntgtaaaaca tgtccctgca 60
ctgtctggaaa aatccactgg ctcccaagaa aagaaaatgg tctgaagcct ctgttctggg 120
tctccaaaat catctttccc taagtcatca agctccacat cactgaggtc aatgtcatcc 180
ctcaccgggaa gctcgcacat cctgcctgct caaggtctct cctcaacgat ggttagggaaa 240
gcccggcctc ctacaggtgc cgtggagcca cgcacaaaag agagctcctt gagaaaactg 300
ctgatgctct gctcactgaa ggagctcttc agcagagcaa atttcactct gcttgcattg 360
atctggggca tgggggggta ccca 394
```

<210> 452

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 452

```
actctaaagt tgcactctc acaggggtca gtgataccca ctgaacttgg caggaacagt 60
cctgcagcca gaattctgaa gcagcgcctg tatgcaacgt ttagggccaa aggtctgctg 120
gtgggggttg tcatcacagc ataattggct agtaggtcaa ggatccaggg tctgaggggg 180
tcaaaagccag gaaaaagaat cctcaagtc ttccagtatg tgatgagaa ttttaactgt 240
gactgagaag cattttcttc gaaccagcgg gcattgtcga tggctgctaa ngcactctgc 300
aatactttga tatccaaatg gagttctgga tccagtttct naagattggg tggcactgtt 360
gtaatganaa tcttcactgt a 381
```

<210> 453
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 453
 attgtgtgttaa acagccttata gccaaagtttt aaagagttac aggaacaaact gctacacatt 60
 ccaagaacag gcattcactg cagcctcttg atttgacctg atgggaggga caggagaatg 100
 agtcactctg ccaccacttt tcttgcttg gatttgtaga ggatttggtt tgccttaatt 140
 tgttttttctt atatctgccc tactaaggta cacagtctgg gcactttgaa aatgttaaa 240
 ttttttaagc ttgactgata gaagcagcac ttaaaggctt catgaatcta tttccaaaa 300
 aaagtatgct ttcagtaaaa cattttacca ttttatctaa ctatgcactg acatttttct 360
 ttttcttgaa aaggggattt atgctaacc tgtattttta atgtaaaaat atactgttag 420
 agaatattta acttcttgag tgacttatac ctcaa 455

<210> 454
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 454
 acagaggtac tttacaagtt gtcacatttc tttataaatt tttttaaagc tacagtttta 60
 tacaataatga attgggggtt tattacatta acaacctttc acctcaggtt tttatgaaga 100
 ggaaggggtt ttagcaaaaa gaaagtgtta caattcctaa tcattttaga cactttagga 140
 ggggtgtgaag ttgtatgata aagcagatat ttttaattat tgttatcttt ttgtattgca 240
 agaaattttt tggtagtgaa tcaagaaaaa atccagatcg acagtctaaa atgggtactg 300
 gtattttagt taattcaaaa atgaaacctt ccagtgatcc accttactaa cactctattt 360
 gagaaggttt attgggtaaag ttt 383

<210> 455
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 455
 actcctttan gacaaggaaa caggtatcag catgatggta gcagaaacct tatcaccbaag 60
 gtgcaggagt tgattcttc caaagagttg tgggttcggg cagcggtcac tgcctgccc 100
 attgctggag ggttgatttt agtgttgctt attatgttgg ccttgaggat gtttcgaagt 180
 gaaaataaga ggttcgagga tcagcggcaa cagatgctct ccggtttgca ctacagcttt 240
 cccggacacc attccaaaaa ggggcaggtt gcaaaagttag acttggaatg catggtgccc 300

```
gtcagtgggg accgagaactg ctgtctgacc tgtgataaaa tgagacaagg agacctcagg 350
aacgataaga tctctctcgt tgt                                     383
```

<210> 456

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(543)

<223> n = A,T,C or G

<400> 456

```
acaaacattt tacaaaaaag aacattacca atatcagtggt cagtaagggt aagctgaaga 60
atattgtagac tgagttttcgg ggcaatgtct gtctcctaaag acatccaaac tgggttcagg 120
cagctgaaac aggtctctctt cccagtgaca agcatatgtg gtcagtaata caaacgatgg 180
tctatgaggt tactacatag gccacgttaa caaacctctc tctcctcgg gtaggccatg 240
ataaaagctg aactcaccaa ataatttaaa cccaaggcga taacaacact atttcctatc 300
taaacctcctc taagctctca caatgtctga atggattcag ttacttgcaa acgatcccg 360
gttgccatcc agatatttgt tttttacaca taacgtctgt ccatcccttc cttcactgac 420
ccagtcaggt tctctgttgt tggacggaaa ggggatacat tttagaaatg cttcctcaca 480
gacagaagtg agaaaagaaag gagaacctga ggcacaggatc tattaacctt ggtgtgtggg 540
cga                                     543
```

<210> 457

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(544)

<223> n = A,T,C or G

<400> 457

```
actgggtgca atattgncat ggtgagctcc tctctaatgt cttccagggt accaatatct 60
gcccattgtca cattagggac agtgacaaaag ccttcctctt tggcagaggg ttggactgag 120
gatagagcga caatgaaatc attcagttca atgcacagtc cttgcattct ctcctctgag 180
aggggatctt ggtctcttag caaccccagg agcctttgta attcattctg tgtttcagaa 240
gtgggtctcag ttcccagcct tctcctctgg actcctcttag atggcaaatc ttccatttca 300
ggaattctct tctgtctgtc ctgtagcttc attaagacct tattgactgc acacattgct 360
gctctctcgg acagtgccat gagatcagca ccaacaaaag cttggagttag gttgtctaa 420
tgaagaaatc caaaagcttg aggaagcctc agttttctgc accatgtttg aagtattctt 480
tctctggatg cttcattctg gatacctagg catatttctc ggtcgaaact tctcgcaagt 540
ctca                                     544
```

<210> 458

<211> 382

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(382)
 <223> n = A,T,C or G

<400> 453
 aactntatggc tcaacgggcag aactttcacc acaaaaagcga aatggggcaca ccacagggag 60
 aaaaactggtt gtcttgggatg tttagaaaagt tggctggttgt catgggtgtgt tacttcaccc 120
 tatctatcat taactccatg gtacaaaagt atgcaaaaag aatccagcag cgggttgaact 180
 cagaggagaa aactaaataa gtagagaaaag ttttaaaactg cagaaaattgg agtggatggg 240
 ttctggcctta aattggggagg actccaagcc gggaaggaaa attccctttt ccaacctgta 300
 tcaattttta caactttttt cctgaaagca gtttagtcca tactttgcac tgacatactt 360
 ttcccttttg tgetaaggta ag 382

<210> 459
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 459
 ctggbaactct agccaggccac gaaacccatga agtagccctga tccctcttag ccacccctggc 60
 cggccctagg ggagtaacct tgtgttatga atccatgaa agcatgggaat cttatgaact 120
 taatcccttc attaacagga gaaatgcaaa taccttcata tccctca 168

<210> 460
 <211> 190
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(190)
 <223> n = A,T,C or G

<400> 460
 atantctgta ccaggggagcc gagagctgac tatccctagcc tgggttaatg tattctacgc 60
 ctgggatgga gcttcacacg attccctcct ggggcaggg cgaaggctct ctactgctac 120
 aactggcctc accagtgggc cgtctgctcc aggaactcct ccgagtggag gaggaggggg 180
 ctcccttccc 190

<210> 461
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 461
 acagacaggg tttcttgcta tcttcacagg agtctaatag tcaaggaaaa gggcaacagt 60
 attggatcat tcttagaca ctaatacagt ggggaaagag ttcattggca aaagtgtcct 120
 cccaagaatg gtttaccca agcagagagg acatgtcact gaatggggaa agggaaaccc 180
 cgtatccaca gtaactgtaa gcatacagta ggcaggaaga tggctttggg cagtggctgg 240

```

atgaaagcag atttgagata cccagctccg gaacgaggtc atcttctaca ggttcttctt 300
tcactgagac aatgaattca gggcgatcat tctctgaggg gctgagaggt gtttctctga 360
ttttcactac cacattagct tggctctctg tctcagaggg tatctctaag actaggggct 420
tggtatatat gtggctcaaaa cgaattagtt cattaatggc tccagctctg gctgatgacg 480
tccccactga cagag                                     495

```

<210> 462

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(493)

<223> n = A,T,C or G

<400> 462

```

acactgaaac ataaatccgc aagtcacccac acatcacaca cccggcagga aaaaaacaaa 60
aacggggngt ttacatgata cctgtaacag ccattggcttc aaactcagat gtttctctca 120
ttctgccaagt gtgtttttgga tacagagcac atcgtgggtt ctggggctac actcagctta 180
ggctgtgggt ccacagagca ctcattctggc tgggctatgg tgggtggctgg tctactcaag 240
aagaaaagca gttcacagca cttcacaaca gtgtattcga catcttttaa atatcaaaagt 300
gagaaacaa aaggcaacac aataatgtta ccagaacgat gttaggaagt aaggacagct 360
gtgtaaaagt tgaggctgaa aagtagcttg ccagcttcac tctcttgggt ttttgggtag 420
tgggtggctgg aacagcaaga tgtgaggttc tgggtccatgg atcatataat ggacccatcc 480
ctgactctgc tga                                     493

```

<210> 463

<211> 3631

<212> DNA

<213> Homo sapiens

<400> 463

```

tccagagctga ttacagacac caagggaagat gctgttaaga gtccagcagcc acagcccttg 60
ctagctgggc ctgtgggcat ttattagtaa agttttaatg acaaaagctt tgagtcaaca 120
caccctggg taattaacct ggtcatcccc accctggaga gccatctgc ccattgggtja 180
tcaaaagaagg aacatctgca ggaacacctg atgaggttgc acccttggcg caaagaacac 240
ctgacacagc tgaagcttg gtggaaaaaa cacttgatga ggcctgcacc ttgggtggaa 300
gaacacctga cccggttgaa agcttgggtg aaaaaacacc tgatgaggtt gcatccttgg 360
tggagggyaac atctgacaaa attcaatgtt tggagaaagc gacatctgga aagttcgaac 420
agtccagcaga agaaaacacct agggaaattt caggtcttgc aaaaagaaac tctgagaaat 480
ttactgtggc agcaaaayga agacctagga agatcgcctg ggagaaaaaa caagacacac 540
ctagggyaat tatgagtcac gcaaaagaaa catctgagaa atttaagtgg ccagcaaaag 600
gaagacctag gaagatcgca tgggagaaaa aagaacacac tgtaaagact ggtatgggtjg 660
caagagtaac atctaataaa actaaagttt tggaaaaagg aagatctcag atgatttgat 720
gtcctacaaa agaactatct acaaaagcaa gtgcacatga ccagaggttc ccattcagaat 780
ccaaaacaaga ggaagatgaa gaattattct gtgattcttg gagtctcttt gagagttctg 840
caaaagattca agtgtgtata cctgagttca tatatcaaaa agtaattggag ataaatagag 900
aagtagaaga gctccttaag aagccatctg ccttcacgac tgcattgaa atgcaaaact 960
ctgttccaaa taaagccttt gaattgaaga atgaacaaac attgagagca gatccgatgt 1020
tcccacaga atcaaaacaa aaggactatg aagaaaattc ttgggattct gagagttctt 1080

```



```

gtgagactgt ttcacagaag gatgtgtgtt tacccaaggc tacacatcaa aaagaaatag 1140
ataaaataaa tggaaaaatta gaagaggtct ctaataaaga tggctttctg aaggctacct 1200
goggaatgaa agttttctatt ccaactaaag ccttagaatt gaaggacatg caaactttca 1260
aagcagagcc tccgggggaag ccctctgccc ccagagctgc cactgaaatg caaaagtctg 1320
tcccaataaa agccttggaa ttgaaaaatg aacaaacatt gagagcagat gagatactcc 1380
catcagaatc caaacaaaag gactatgaag aaagtctctg ggattctgag agtctctgtg 1440
agactgtttc acagaaggat gtgtgtttac ccaaggcttc ccctcaaaaa gaaatagata 1500
aaataaatgg aaaattagaa gggctctctg ttaagatgg tcttctgaag gctaatctgg 1560
gaatgaaagt ttctattcca actaaagccc tagaattgat ggacatgcaa actttcaaa 1620
cagagctccc ccgagaagcca ctgctctg agctgccc atgaaatgcaa aagtctgttc 1680
caataaaagg cttgggaattg aagaatgaac aaacattgag agcagatgag atactcccat 1740
cagaatccaa acaaaaaggac tatgaagaaa gttcttggga tctgagagt ctctgtgaga 1800
ctgtttccaa gaaggatgtg tgtttaacca aggtcttcca tcaaaaagaa atagataaaa 1860
taaatggaaa attagaagag tctctgata atgatgggtt tctgaaggct cctgcaaaa 1920
tgaaagtctc tattccaaat aaagccttag aattgatgga catgcaaac ttcaaggcag 1980
agcttcccca gaagccatct gctctgagc ctgcccattg aatgcaaaag tctgttccaa 2040
ataaagctct ggaattgaag aatgaacaaa cattgagagc agatcagatg tcccttccag 2100
aatcaaaaac aaagaasgtt gaagaaaaat cttgggattc tgagagctc cgtgagactg 2160
tttccagaaa ggtgtgtgtg gtacccaagg ctacacatca aaaagaaatg gataaaataa 2220
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tgaaaaagaa gttttgtgtg ctgaaaaaag aaactgtcaga agcaaaaagaa ataaaatcac 2400
agtttagagaa ccaaaaaagt aaatgggaac aagagctctg cagtgtgagg tttctccacc 2460
tcatgaaaat gaaaattatc tcttccatga aaattgcctg ttgaaaaagg aaattgccc 2520
gctaaaaatg gaaatagcca cactgaaaaa ccaataccag gaaaaggaaa ataaatactt 2580
tgaggacatt aagattttta aagaaaaagaa tcttgaactt cagatgaacc taaaaactga 2640
agagggaatc ttaactaaaa gggccatctc ataatgtggg cagcttcaag tctgatagc 2700
tgagaacaca atgctcaact ctaaaattgaa ggaaaaaaca gacaaaagaa tactagaggg 2760
agaaattgaa tccacccatc ctagaatggc tctgtctgta caagaccatg atcaaatgt 2820
gacatcaaga aaaagtcaag aaactgtttt ccacattgca ggagatgctt gtttgcaaa 2880
aaaaatgaat gttgatgtga gtagtaagat atataacca gaggtgctcc atcaaccact 2940
tcttgaagct caaaggaaat ccaaaagccc aaaaattaat ctcaattatg cmggagatgc 3000
tctaagagaa aatacattgg tttcagaaca tgcacaaaga gaccaactgt aaacacagt 3060
tcaaatgaag gaagctgaac acatgtatca aaacgaacaa gataatgtga acaaacacac 3120
tgaaacagag gagtctctag atcagaaaat atttcaacta caaagcaaaa atatgtggct 3180
tcaacagcaa ttagtctcat cccataagaa agctgacaa aaaagcaaga taaccaattg 3240
tattcatttt cttgagagga aaatgcaaca tcatctctta aaagagaaaa atgaggagat 3300
atttaattac aataaccatt taaaaaaccc tatatatcaa tatgaaaaag agaaagcaga 3360
aacagaaaaa ccatgagaga caagcagtaa gaaacttctt ttggagaaac aacagaccag 3420
attcttactc acaactcatg ctaggaggcc agtcttagca tcaacttatg ttgaaaatct 3480
taccaatagt ctgtgtccaa agaatactta ttttagaaga aaaattcatg atttctctc 3540
gaagcctaca gacataaaat aacagtgtga agaattactt gttcaggaat tgcataaagg 3600
tgacaggaat tcccatctac cctgatgatg cagcagacat catccaatcc aaccagaatc 3660
ctgtctgttc actcaggtcg g 3681

```

<210> 464

<211> 1424

<212> DNA

<213> Homo sapiens

<400> 464

```

tccgagctga ttacagacac caaggaagat gctgtaaaga gtccagcagcc acagccctgg 60
ctagctggcc ctgtgggcat ttattagtaa agttttaatg acaaaagctt tgagtcacac 120
caccctggg taacttaact ggccatcccc accctggaga gccatccctg ccattgggtga 180
tcaaaagaagg aacatctgca ggaacacctg atgaggctgc acccttggcg gaaagaacac 240
ctgacacagc tgaagagctg gtggaaaaaa cacttgatga ggctgcaccc ttgggtggaaa 300
gaacacctga cagggttgaa agcttgggtg aaaaaacacc tgatgaggtt gcacccctgg 360
tggagggaac atctgacaaa attcaatgtt tggagaaaag gacatctgga aagttcgaa 420
agtccagaga agaaacacct agggaaaatta caggtctctg aaaaagaaac tctgagaaat 480
ttacgtggcc agcaaaaagg agacctagga agatcgctat ggagaaaaaa gaagacacac 540
ctagggaaat tatgagtcct gcaaaaagaaa catctgagaa atttaoctgg gcagcaaaaag 600
gaagacctag gaagatcgca tgggagaaaa aagaaaacac tgtaaagact ggatgggtgg 660
caagagtaac atctaataaa actaaagttt tggaaaaaag aagatctaat atgattgcat 720
gtcctacaaa agaactcctt acaaaagcaa gtgcacatga ccagaggttc ccacagaat 780
ccaaacaaga ggaagatgaa gaatactctt gtgattctcg gagtctcttt gagagtctct 840
caaaagattca agtctgtata cctgagtcct tatatcaaaa agtaatggag ataaatagag 900
aagtagaaga gctcctaaag aagccatctg ccttcaagcc tgcattgaa atgcaaaact 960
ctgttccaaa caaagccttt gaattgaaga atgaacaaac attgagagca gatccgatgt 1020
tcccaccaga atccaaacaa aaggactatg aagaaaatcc ttgggattct gagagtctct 1080
gtgagactgt tccacagaag gatgtgtgtt tacccaaggc cacacatcaa aaagaatat 1140
ataaaataaa tggaaaatta gaaggtaaga atcgcttttt atttaaaaat cagttgaccc 1200
aatatttctc taaactgatg aggagggata tctctagta gctgaagaaa attacccctt 1260
aaatgcacac cctggaaaaa aagagaagtg caatggctgt aagttgtatg tctcatcagg 1320
tgttgggaac agactatatt gagagtctct aaaaaggagt gaattattag tttgaattca 1380
agatattgca agacctgaga gaaaaaaaaa aaaaaaaaaa aaaa 1440

```

<210> 465

<211> 674

<212> DNA

<213> Homo sapiens

<400> 465

```

attccagagt gattacagac accaagggaag atgctgtaaa ggtccagcag ccacagccct 60
ggctagctgg cctgtggggc atttattagt aaagttttaa tgacaaaagc tttagtcac 120
cacatccctg ggtaattaac ctggctatcc ccacccctgga gagccatcct gccatgggt 180
gaccaaagaa ggaacatctg caggaacacc tgatgaggtt gcacccctgg cggaaagaa 240
acctgacata gctgaaagct tgggtggaaaa aacacctgat gaggtgcac ccttgggtgg 300
aagaaacact gacacggctg aaagcttggg gaaaaaaaac cctgatgagg ctgcacccct 360
gggtggaggga acitctgaca aaattcaatg ttgggagaaa ggcacatctg gaaagttcga 420
atagtcagca gaagaaaacac ctagggaaat taagagtcct gcaaaaagaaa catctgagaa 480
atttaoctgg ccagcaaaaag gaagacctag gaagatcgca tgggagaaaa aagatgactc 540
agttaaggca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaaaiaaaa aaaaaaiaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
iaaaaaiaaa aaaa 674

```

<210> 465

<211> 1729

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (11)

<223> n=A,T,C or G

<224> unsure

<225> (1128)

<226> n=A,T,C or G

<400> 456

```

ga agtttoga ntagtcagca gaagaaacac ctagggaat taagagtcct gcaaaagaaa 60
catctgagaa atttaogtgg ctagcaaaaag gaagacctag gaagatogca tgggagaaaa 120
aagaaagacac acctagggaa attatgagtc ctgcaaaaaga aacatctgag aaatttaogt 180
ggggagcaaaa aggaagacct aggaagatcg catgggagaa aaaagaaaaa cctgttaaga 240
ctggatcgct ggcaagagta acatctaata aaactaaagt ttggaaaaa ggaagatcta 300
agatgattgc atgtcctaca aaagaatcat ctacaaaagc aagtgcacat gatcagaggt 360
tcccatcaga atcaaaaaca gaggaagatg aagaatatto ttgtgattct cggagtctct 420
ttgagagttc tgcaaaagatt caagtgtgta taactgagtc tatatatcaa aaagtaatgg 480
agataaatag agaagtagaa gagctcctca agaagcctc tgccttcacg cctgacattg 540
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cagatccgat gttccacaca gaatccaaaac aaaaggacta tgaagaaat tcttgggatt 660
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<210> 457

<211> 1337

<212> DNA

<213> Homo sapiens

<400> 457

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<210> 468

<211> 2307

<212> DNA

<213> Homo sapiens

<400> 468

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Ser Lys Gln Lys Asp Tyr Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu		
	165	170 175
Cys Glu Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Thr His		
	180	185 190
Gln Lys Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Glu Ser Pro Asn		
	195	200 205
Lys Asp Gly Leu Leu Lys Ala Thr Cys Gly Met Lys Val Ser Ile Pro		
	210	215 220
Thr Lys Ala Leu Glu Leu Lys Asp Met Gln Thr Phe Lys Ala Glu Pro		
	225	230 235 240
Pro Gly Lys Pro Ser Ala Phe Glu Pro Ala Thr Glu Met Gln Lys Ser		
	245	250 255
Val Pro Asn Lys Ala Leu Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala		
	260	265 270
Asp Glu Ile Leu Pro Ser Glu Ser Lys Gln Lys Asp Tyr Glu Glu Ser		
	275	280 285
Ser Trp Asp Ser Glu Ser Leu Cys Glu Thr Val Ser Gln Lys Asp Val		
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Cys Leu Pro Lys Ala Xaa His Gln Lys Glu Ile Asp Lys Ile Asn Gly		
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Lys Leu Glu Gly Ser Pro Val Lys Asp Gly Leu Leu Lys Ala Asn Cys		
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Gly Met Lys Val Ser Ile Pro Thr Lys Ala Leu Glu Leu Met Asp Met		
	340	345 350
Gln Thr Phe Lys Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro		
	355	360 365
Ala Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys		
	370	375 380
Asn Glu Gln Thr Leu Arg Ala Asp Glu Ile Leu Pro Ser Glu Ser Lys		
	385	390 395 400
Gln Lys Asp Tyr Glu Glu Ser Ser Trp Asp Ser Glu Ser Leu Cys Glu		

405	410	415
Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Xaa His Gln Lys		
420	425	430
Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Glu Ser Pro Asp Asn Asp		
435	440	445
Gly Phe Leu Lys Ala Pro Cys Arg Met Lys Val Ser Ile Pro Thr Lys		
450	455	460
Ala Leu Glu Leu Met Asp Met Gln Thr Phe Lys Ala Glu Pro Pro Glu		
465	470	475
Lys Pro Ser Ala Phe Glu Pro Ala Ile Glu Met Gln Lys Ser Val Pro		
485	490	495
Asn Lys Ala Leu Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp Gln		
500	505	510
Met Phe Pro Ser Glu Ser Lys Gln Lys Xaa Val Glu Glu Asn Ser Trp		
515	520	525
Asp Ser Glu Ser Leu Arg Glu Thr Val Ser Gln Lys Asp Val Cys Val		
530	535	540
Pro Lys Ala Thr His Gln Lys Glu Met Asp Lys Ile Ser Gly Lys Leu		
545	550	555
Glu Asp Ser Thr Ser Leu Ser Lys Ile Leu Asp Thr Val His Ser Cys		
565	570	575
Glu Arg Ala Arg Glu Leu Gln Lys Asp His Cys Glu Gln Arg Thr Gly		
580	585	590
Lys Met Glu Gln Met Lys Lys Lys Phe Cys Val Leu Lys Lys Lys Leu		
595	600	605
Ser Glu Ala Lys Glu Ile Lys Ser Gln Leu Glu Asn Gln Lys Val Lys		
610	615	620
Trp Glu Gln Glu Leu Cys Ser Val Arg Phe Leu Thr Leu Met Lys Met		
625	630	635
Lys Ile Ile Ser Tyr Met Lys Ile Ala Cys		
645	650	

<210> 470

<211> 228

<212> PRT

<213> Homo sapiens

<400> 470

Met Ser Pro Ala Lys Glu Thr Ser Glu Lys Phe Thr Trp Ala Ala Lys
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Gly Arg Pro Arg Lys Ile Ala Trp Glu Lys Lys Glu Thr Pro Val Lys
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Thr Gly Cys Val Ala Arg Val Thr Ser Asn Lys Thr Lys Val Leu Glu
35 40 45

Lys Gly Arg Ser Lys Met Ile Ala Cys Pro Thr Lys Glu Ser Ser Thr
50 55 60

Lys Ala Ser Ala Asn Asp Gln Arg Phe Pro Ser Glu Ser Lys Gln Glu
65 70 75 80

Glu Asp Glu Glu Tyr Ser Cys Asp Ser Arg Ser Leu Phe Glu Ser Ser
85 90 95

Ala Lys Ile Gln Val Cys Ile Pro Glu Ser Ile Tyr Gln Lys Val Met
100 105 110

Glu Ile Asn Arg Glu Val Glu Glu Pro Pro Lys Lys Pro Ser Ala Phe
115 120 125

Lys Pro Ala Ile Glu Met Gln Asn Ser Val Pro Asn Lys Ala Phe Glu
130 135 140

Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp Pro Met Phe Pro Pro Glu
145 150 155 160

Ser Lys Gln Lys Asp Tyr Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu
165 170 175

Cys Glu Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Thr His
180 185 190

Gln Lys Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Gly Lys Asn Arg
195 200 205

Phe Leu Phe Lys Asn Gln Leu Thr Glu Tyr Phe Ser Lys Leu Met Arg
210 215 220

Arg Asp Ile Leu
225

<210> 471

<211> 154

<212> PRT

<213> Homo sapiens

<210>

<211> unsure

<212> (148)

<223> Xaa = Any Amino Acid

<400> 471

Met Arg Leu His Pro Trp Arg Lys Glu His Leu Thr Gln Leu Lys Ala
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Trp Trp Lys Lys His Leu Met Arg Leu His Pro Trp Trp Lys Glu His
20 25 30

Leu Thr Arg Leu Lys Ala Trp Trp Lys Lys His Leu Met Arg Leu His
35 40 45

Pro Trp Trp Arg Glu His Leu Thr Lys Phe Asn Val Trp Arg Lys Arg
50 55 60

His Leu Glu Ser Ser Asn Ser Gln Gln Lys Lys His Leu Gly Lys Leu
65 70 75 80

Arg Val Leu Gln Lys Lys His Leu Arg Asn Leu Arg Gly Gln Gln Lys
85 90 95

Glu Asp Leu Gly Arg Ser His Gly Arg Lys Lys Met Thr Gln Leu Arg
100 105 110

Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
115 120 125

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
130 135 140

Lys Lys Lys Xaa Lys Lys Lys Lys Lys Lys
145 150

<210> 472

<211> 466

<212> PRT

<213> Homo sapiens

<210>

<211> unsure

<212> (329)

<223> Xaa = Any Amino Acid

<400> 472

Met Ser Pro Ala Lys Glu Thr Ser Glu Lys Phe Thr Trp Ala Ala Lys
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Gly Arg Pro Arg Lys Ile Ala Trp Glu Lys Lys Glu Thr Pro Val Lys
 20 25 30

Thr Gly Cys Val Ala Arg Val Thr Ser Asn Lys Thr Lys Val Leu Glu
 35 40 45

Lys Gly Arg Ser Lys Met Ile Ala Cys Pro Thr Lys Glu Ser Ser Thr
 50 55 60

Lys Ala Ser Ala Asn Asp Gln Arg Phe Pro Ser Glu Ser Lys Gln Glu
 65 70 75 80

Glu Asp Glu Glu Tyr Ser Cys Asp Ser Arg Ser Leu Phe Glu Ser Ser
 85 90 95

Ala Lys Ile Gln Val Cys Ile Pro Glu Ser Ile Tyr Gln Lys Val Met
 100 105 110

Glu Ile Asn Arg Glu Val Glu Glu Pro Pro Lys Lys Pro Ser Ala Phe
 115 120 125

Lys Pro Ala Ile Glu Met Gln Asn Ser Val Pro Asn Lys Ala Phe Glu
 130 135 140

Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp Pro Met Phe Pro Pro Glu
 145 150 155 160

Ser Lys Gln Lys Asp Tyr Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu
 165 170 175

Cys Glu Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Thr His
 180 185 190

Gln Lys Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Glu Ser Pro Asn
 195 200 205

Lys Asp Gly Leu Leu Lys Ala Thr Cys Gly Met Lys Val Ser Ile Pro
 210 215 220

Thr Lys Ala Leu Glu Leu Lys Asp Met Gln Thr Phe Lys Ala Glu Pro
 225 230 235 240

Pro Gly Lys Pro Ser Ala Phe Glu Pro Ala Thr Glu Met Gln Lys Ser
 245 250 255

Val Pro Asn Lys Ala Leu Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala
 260 265 270

Asp Glu Ile Leu Pro Ser Glu Ser Lys Gln Lys Asp Tyr Glu Glu Asn
275 290 285

Ser Trp Asp Thr Glu Ser Leu Cys Glu Thr Val Ser Gln Lys Asp Val
290 295 300

Cys Leu Pro Lys Ala Ala His Gln Lys Glu Ile Asp Lys Ile Asn Gly
305 310 315 320

Lys Leu Glu Gly Ser Pro Gly Lys Xaa Gly Leu Leu Lys Ala Asn Cys
325 330 335

Gly Met Lys Val Ser Ile Pro Thr Lys Ala Leu Glu Leu Met Asp Met
340 345 350

Gln Thr Phe Lys Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro
355 360 365

Ala Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys
370 375 380

Asn Glu Gln Thr Leu Arg Ala Asp Glu Ile Leu Pro Ser Glu Ser Lys
385 390 395 400

Gln Lys Asp Tyr Glu Glu Ser Ser Trp Asp Ser Glu Ser Leu Cys Glu
405 410 415

Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Ala His Gln Lys
420 425 430

Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Gly Lys Asn Arg Phe Leu
435 440 445

Phe Lys Asn His Leu Thr Lys Tyr Phe Ser Lys Leu Met Arg Lys Asp
450 455 460

Ile Leu
465

<E10> 473

<E11> 445

<E12> PRT

<E13> Homo sapiens

<400> 473

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Asp Gly Leu Leu Lys Ala Asn Cys Gly Met Lys Val Ser Ile Pro Thr
20 25 30

Lys Ala Leu Glu Leu Met Asp Met Gln Thr Phe Lys Ala Glu Pro Pro
 35 40 45
 Glu Lys Pro Ser Ala Phe Glu Pro Ala Ile Glu Met Gln Lys Ser Val
 50 55 60
 Pro Asn Lys Ala Leu Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp
 65 70 75 80
 Glu Ile Leu Pro Ser Glu Ser Lys Gln Lys Asp Tyr Glu Glu Ser Ser
 85 90 95
 Trp Asp Ser Glu Ser Leu Cys Glu Thr Val Ser Gln Lys Asp Val Cys
 100 105 110
 Leu Pro Lys Ala Ala His Gln Lys Glu Ile Asp Lys Ile Asn Gly Lys
 115 120 125
 Leu Glu Glu Ser Pro Asp Asn Asp Gly Phe Leu Lys Ala Pro Cys Arg
 130 135 140
 Met Lys Val Ser Ile Pro Thr Lys Ala Leu Glu Leu Met Asp Met Gln
 145 150 155 160
 Thr Phe Lys Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro Ala
 165 170 175
 Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys Asn
 180 185 190
 Glu Gln Thr Leu Arg Ala Asp Gln Met Phe Pro Ser Glu Ser Lys Gln
 195 200 205
 Lys Lys Val Glu Glu Asn Ser Trp Asp Ser Glu Ser Leu Arg Glu Thr
 210 215 220
 Val Ser Gln Lys Asp Val Cys Val Pro Lys Ala Thr His Gln Lys Glu
 225 230 235 240
 Met Asp Lys Ile Ser Gly Lys Leu Glu Asp Ser Thr Ser Leu Ser Lys
 245 250 255
 Ile Leu Asp Thr Val His Ser Cys Glu Arg Ala Arg Glu Leu Gln Lys
 260 265 270
 Asp His Cys Glu Gln Arg Thr Gly Lys Met Glu Gln Met Lys Lys Lys
 275 280 285
 Phe Cys Val Leu Lys Lys Lys Leu Ser Glu Ala Lys Glu Ile Lys Ser
 290 295 300

Gln Leu Glu Asn Gln Lys Val Lys Trp Glu Gln Glu Leu Cys Ser Val
305 310 315 320

Arg Leu Thr Leu Asn Gln Glu Glu Glu Lys Arg Arg Asn Ala Asp Ile
325 330 335

Leu Asn Glu Lys Ile Arg Glu Glu Leu Gly Arg Ile Glu Glu Gln His
340 345 350

Arg Lys Glu Leu Glu Val Lys Gln Gln Leu Glu Gln Ala Leu Arg Ile
355 360 365

Gln Asp Ile Glu Leu Lys Ser Val Glu Ser Asn Leu Asn Gln Val Ser
370 375 380

His Thr His Glu Asn Glu Asn Tyr Leu Leu His Glu Asn Cys Met Leu
385 390 395 400

Lys Lys Glu Ile Ala Met Leu Lys Leu Glu Ile Ala Thr Leu Lys His
405 410 415

Gln Tyr Gln Glu Lys Glu Asn Lys Tyr Phe Glu Asp Ile Lys Ile Leu
420 425 430

Lys Glu Lys Asn Ala Glu Leu Gln Met Thr Pro Arg Ala
435 440 445

<210> 474

<211> 3855

<212> DNA

<213> Homo sapien

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<223> 184 bp insert of B726P splice form

<400> 474

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ggcttcaaca	gcaattagtt	cattgcacata	ajaaagctga	caacaaaagc	aagataacaa	3420
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agatatttaa	ttacaataac	catttcaaaaa	acogtatata	ccaatatgaa	aaagagaag	3540
cagaaacaga	aaactcatga	gagacaaagc	gtaagaaaat	cttttttgag	aaacaacaga	3600
ccagatctct	actcacaact	cattgctagga	ggccagtcct	agcatcacct	cattgttgaaa	3660
atcttaccaa	tagtctgtgt	caacagaata	cttatttttag	aagaaaaatt	cattgattct	3720
tcctgaagcc	tacagacata	aaataacagt	gtgaagaatt	acttgctcac	gaattgcata	3780

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<210> 475

<211> 1002

<212> PRT

<213> Homo sapien

<220>

<221> VARIANT

<222> (1)...(1002)

<223> Xaa = Any Amino Acid

<400> 475

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			20					25					30		
Thr	Gly	Cys	Val	Ala	Arg	Val	Thr	Ser	Asn	Lys	Thr	Lys	Val	Leu	Glu
			35				40					45			
Lys	Gly	Arg	Ser	Lys	Met	Ile	Ala	Cys	Pro	Thr	Lys	Glu	Ser	Ser	Thr
			50			55					60				
Lys	Ala	Ser	Ala	Asn	Asp	Gln	Arg	Phe	Pro	Ser	Glu	Ser	Lys	Gln	Glu
65				70				75						80	
Glu	Asp	Glu	Glu	Tyr	Ser	Cys	Asp	Ser	Arg	Ser	Leu	Phe	Glu	Ser	Ser
			95					90					95		
Ala	Lys	Ile	Gln	Val	Cys	Ile	Pro	Glu	Ser	Ile	Tyr	Gln	Lys	Val	Met
			100					105					110		
Glu	Ile	Asn	Arg	Glu	Val	Glu	Glu	Pro	Pro	Lys	Lys	Pro	Ser	Ala	Phe
			115				120						125		
Lys	Pro	Ala	Ile	Glu	Met	Gln	Asn	Ser	Val	Pro	Asn	Lys	Ala	Phe	Glu
			130			135					140				
Leu	Lys	Asn	Glu	Gln	Thr	Leu	Arg	Ala	Asp	Pro	Met	Phe	Pro	Pro	Glu
145				150				155						160	
Ser	Lys	Gln	Lys	Asp	Tyr	Glu	Glu	Asn	Ser	Trp	Asp	Ser	Glu	Ser	Leu
			165					170					175		
Cys	Glu	Thr	Val	Ser	Gln	Lys	Asp	Val	Cys	Leu	Pro	Lys	Ala	Thr	His
			180				185						190		
Gln	Lys	Glu	Ile	Asp	Lys	Ile	Asn	Gly	Lys	Leu	Glu	Glu	Ser	Pro	Asn
			195				200					205			
Lys	Asp	Gly	Leu	Leu	Lys	Ala	Thr	Cys	Gly	Met	Lys	Val	Ser	Ile	Pro
			210			215				220					
Thr	Lys	Ala	Leu	Glu	Leu	Lys	Asp	Met	Gln	Thr	Phe	Lys	Ala	Glu	Pro
225				230				235						240	
Pro	Gly	Lys	Pro	Ser	Ala	Phe	Glu	Pro	Ala	Thr	Glu	Met	Gln	Lys	Ser
			245					250					255		
Val	Pro	Asn	Lys	Ala	Leu	Glu	Leu	Lys	Asn	Glu	Gln	Thr	Leu	Arg	Ala
			260					265					270		
Asp	Glu	Ile	Leu	Pro	Ser	Glu	Ser	Lys	Gln	Lys	Asp	Tyr	Glu	Glu	Ser
			275				280					285			
Ser	Trp	Asp	Ser	Glu	Ser	Leu	Cys	Glu	Thr	Val	Ser	Gln	Lys	Asp	Val

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Cys Leu Pro Lys Ala Xaa His Gln Lys Glu Ile Asp Lys Ile Asn Gly		
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Lys Leu Glu Gly Ser Pro Val Lys Asp Gly Leu Leu Lys Ala Asn Cys		
	325	330
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Gly Met Lys Val Ser Ile Pro Thr Lys Ala Leu Glu Leu Met Asp Met		
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Gln Thr Phe Lys Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro		
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		365
Ala Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys		
	370	375
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Asn Glu Gln Thr Leu Arg Ala Asp Glu Ile Leu Pro Ser Glu Ser Lys		
	385	390
		395
Gln Lys Asp Tyr Glu Glu Ser Ser Trp Asp Ser Glu Ser Leu Cys Glu		
	405	410
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Thr Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Xaa His Gln Lys		
	420	425
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Glu Ile Asp Lys Ile Asn Gly Lys Leu Glu Glu Ser Pro Asp Asn Asp		
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Gly Phe Leu Lys Ala Pro Cys Arg Met Lys Val Ser Ile Pro Thr Lys		
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Ala Leu Glu Leu Met Asp Met Gln Thr Phe Lys Ala Glu Pro Pro Glu		
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Lys Pro Ser Ala Phe Glu Pro Ala Ile Glu Met Gln Lys Ser Val Pro		
	485	490
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Asn Lys Ala Leu Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp Gln		
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		510
Met Phe Pro Ser Glu Ser Lys Gln Lys Xaa Val Glu Glu Asn Ser Trp		
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Asp Ser Glu Ser Leu Arg Glu Thr Val Ser Gln Lys Asp Val Cys Val		
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Pro Lys Ala Thr His Gln Lys Glu Met Asp Lys Ile Ser Gly Lys Leu		
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Glu Asp Ser Thr Ser Leu Ser Lys Ile Leu Asp Thr Val His Ser Cys		
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Glu Arg Ala Arg Glu Leu Gln Lys Asp His Cys Glu Gln Arg Thr Gly		
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Lys Met Glu Gln Met Lys Lys Lys Phe Cys Val Leu Lys Lys Lys Leu		
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Ser Glu Ala Lys Glu Ile Lys Ser Gln Leu Glu Asn Gln Lys Val Lys		
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		620
Trp Glu Gln Glu Leu Cys Ser Val Arg Leu Thr Leu Asn Gln Glu Glu		
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Glu Lys Arg Arg Asn Ala Asp Ile Leu Asn Glu Lys Ile Arg Glu Glu		
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Leu Gly Arg Ile Glu Glu Gln His Arg Lys Glu Leu Glu Val Lys Gln		
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Gln Leu Glu Gln Ala Leu Arg Ile Gln Asp Ile Glu Leu Lys Ser Val		
	675	680
		685
Glu Ser Asn Leu Asn Gln Val Ser His Thr His Glu Asn Glu Asn Tyr		
	690	695
		700

Leu Leu His Glu Asn Cys Met Leu Lys Lys Glu Ile Ala Met Leu Lys
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 Leu Glu Ile Ala Thr Leu Lys His Gln Tyr Gln Glu Lys Glu Asn Lys
 725 740 735
 Tyr Phe Glu Asp Ile Lys Ile Leu Lys Glu Lys Asn Ala Glu Leu Gln
 740 745 750
 Met Thr Leu Lys Leu Lys Glu Glu Ser Leu Thr Lys Arg Ala Ser Gln
 755 760 765
 Tyr Ser Gly Gln Leu Lys Val Leu Ile Ala Glu Asn Thr Met Leu Thr
 770 775 780
 Ser Lys Leu Lys Glu Lys Gln Asp Lys Glu Ile Leu Glu Ala Glu Ile
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 Glu Ser His His Pro Arg Leu Ala Ser Ala Val Gln Asp His Asp Gln
 805 810 815
 Ile Val Thr Ser Arg Lys Ser Gln Glu Pro Ala Phe His Ile Ala Gly
 820 825 830
 Asp Ala Cys Leu Gln Arg Lys Met Asn Val Asp Val Ser Ser Thr Ile
 835 840 845
 Tyr Asn Asn Glu Val Leu His Gln Pro Leu Ser Glu Ala Gln Arg Lys
 850 855 860
 Ser Lys Ser Leu Lys Ile Asn Leu Asn Tyr Ala Gly Asp Ala Leu Arg
 865 870 875 880
 Glu Asn Thr Leu Val Ser Glu His Ala Gln Arg Asp Gln Arg Glu Thr
 885 890 895
 Gln Cys Gln Met Lys Glu Ala Glu His Met Tyr Gln Asn Glu Gln Asp
 900 905 910
 Asn Val Asn Lys His Thr Glu Gln Gln Glu Ser Leu Asp Gln Lys Leu
 915 920 925
 Phe Gln Leu Gln Ser Lys Asn Met Trp Leu Gln Gln Gln Leu Val His
 930 935 940
 Ala His Lys Lys Ala Asp Asn Lys Ser Lys Ile Thr Ile Asp Ile His
 945 950 955 960
 Phe Leu Glu Arg Lys Met Gln His His Leu Leu Lys Glu Lys Asn Glu
 965 970 975
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 Glu Lys Glu Lys Ala Glu Thr Glu Asn Ser
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<210> 476

<211> 356

<212> DNA

<213> Homo sapien

<400> 476

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<210> 477
 <211> 1876
 <212> DNA
 <213> Homo sapien

<400> 477
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 ctccacgggg gtttcggcag ccacagcgtg tggggaggct ttcggggcgg ctctcgggga 180
 cggagcttcg gttacggctc cggggggcgtg tggggggcga gtcccccctg catcaccacc 240
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 aaaaaa aaaaaa 1876

<210> 478
 <211> 505
 <212> PRT
 <213> Homo sapien

<400> 478
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 Arg Gly Ile Ser Cys Tyr Arg Gly Leu Thr Gly Gly Phe Gly Ser His

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Tyr	Arg	Ser	Gly	Gly	Val	Cys	Gly	Pro	Ser	Pro	Pro	Cys	Ile	Thr	Thr
65					70					75					80
Val	Ser	Val	Asn	Glu	Ser	Leu	Leu	Thr	Pro	Leu	Asn	Leu	Glu	Ile	Asp
				85					90					95	
Pro	Asn	Ala	Gln	Cys	Val	Lys	Gln	Glu	Glu	Lys	Glu	Gln	Ile	Lys	Ser
	100						105						110		
Leu	Asn	Ser	Arg	Phe	Ala	Ala	Phe	Ile	Asp	Lys	Val	Arg	Phe	Leu	Glu
	115						120					125			
Gln	Gln	Asn	Lys	Leu	Leu	Glu	Thr	Lys	Leu	Gln	Phe	Tyr	Gln	Asn	Arg
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Glu	Cys	Cys	Gln	Ser	Asn	Leu	Glu	Pro	Leu	Phe	Glu	Gly	Tyr	Ile	Glu
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Thr	Leu	Arg	Arg	Glu	Ala	Glu	Cys	Val	Glu	Ala	Asp	Ser	Gly	Arg	Leu
				165					170					175	
Ala	Ser	Glu	Leu	Asn	His	Val	Gln	Glu	Val	Leu	Glu	Gly	Tyr	Lys	Lys
	180						185						190		
Lys	Tyr	Glu	Glu	Glu	Val	Ser	Leu	Arg	Ala	Thr	Ala	Glu	Asn	Glu	Phe
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225					230					235					240
Arg	Leu	Tyr	Glu	Glu	Glu	Ile	Arg	Ile	Leu	Gln	Ser	His	Ile	Ser	Asp
				245					250					255	
Thr	Ser	Val	Val	Val	Lys	Leu	Asp	Asn	Ser	Arg	Asp	Leu	Asn	Met	Asp
			260					265					270		
Cys	Ile	Ile	Ala	Glu	Ile	Lys	Ala	Gln	Tyr	Asp	Asp	Ile	Val	Thr	Arg
	275						280					285			
Ser	Arg	Ala	Glu	Ala	Glu	Ser	Trp	Tyr	Arg	Ser	Lys	Cys	Glu	Glu	Met
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Lys	Ala	Thr	Val	Ile	Arg	His	Gly	Glu	Thr	Leu	Arg	Arg	Thr	Lys	Glu
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Glu	Ile	Asn	Glu	Leu	Asn	Arg	Met	Ile	Gln	Arg	Leu	Thr	Ala	Glu	Val
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Glu	Asn	Ala	Lys	Cys	Gln	Asn	Ser	Lys	Leu	Glu	Ala	Ala	Val	Ala	Gln
	340							345					350		
Ser	Glu	Gln	Gln	Gly	Glu	Ala	Ala	Leu	Ser	Asp	Ala	Arg	Cys	Lys	Leu
	355						360					365			
Ala	Glu	Leu	Glu	Gly	Ala	Leu	Gln	Lys	Ala	Lys	Gln	Asp	Met	Ala	Cys
	370					375					380				
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385					390					395					400
Ile	Glu	Ile	Ala	Thr	Tyr	Arg	Arg	Leu	Leu	Glu	Gly	Glu	Glu	Gln	Arg
			405						410					415	
Leu	Cys	Glu	Gly	Ile	Gly	Ala	Val	Asn	Val	Cys	Val	Ser	Ser	Ser	Arg
			420					425					430		
Gly	Gly	Val	Val	Cys	Gly	Asp	Leu	Cys	Val	Ser	Gly	Ser	Arg	Pro	Val
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Thr Gly Ser Val Cys Ser Ala Pro Cys Asn Gly Asn Val Ala Val Ser
450                               455                               460
Thr Gly Leu Cys Ala Pro Cys Gly Gln Leu Asn Thr Thr Cys Gly Gly
465                               470                               475                               480
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Ser Cys Gly Ser Ser Cys Arg Lys Cys
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<210> 479

<211> 221

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(221)

<223> n = A,T,C or G

<400> 479

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